

TABLE 8. U.S. scientists and engineers, by level and field of highest degree, sex, and employment status: 2006

Level and field of highest degree and sex	All scientists and engineers	Employed			Unemployed/ seeking job	Not in labor force		
		Total	Full time	Part time		Total	Retired	Not seeking job
All degree levels and fields <sup>a</sup>	22,630,000	18,927,000	16,051,000	2,876,000	485,000	3,218,000	1,823,000	1,395,000
Male	12,400,000	10,683,000	9,797,000	887,000	261,000	1,456,000	1,175,000	281,000
Female	10,230,000	8,244,000	6,254,000	1,990,000	224,000	1,762,000	648,000	1,114,000
S&E fields	12,436,000	10,156,000	8,789,000	1,367,000	329,000	1,951,000	1,041,000	909,000
Male	7,521,000	6,357,000	5,856,000	502,000	190,000	973,000	751,000	222,000
Female	4,915,000	3,799,000	2,933,000	866,000	139,000	978,000	290,000	687,000
Sciences	9,537,000	7,719,000	6,520,000	1,199,000	272,000	1,547,000	729,000	817,000
Male	4,996,000	4,226,000	3,846,000	379,000	144,000	626,000	446,000	180,000
Female	4,541,000	3,493,000	2,673,000	820,000	128,000	921,000	284,000	637,000
Biological/agricultural/environmental life sciences	1,933,000	1,555,000	1,332,000	223,000	50,000	327,000	132,000	195,000
Male	1,014,000	838,000	764,000	74,000	26,000	150,000	92,000	58,000
Female	919,000	717,000	568,000	149,000	25,000	177,000	40,000	137,000
Agricultural/food sciences	312,000	267,000	239,000	28,000	8,000	37,000	28,000	9,000
Male	197,000	166,000	156,000	10,000	4,000	28,000	27,000	1,000
Female	114,000	101,000	84,000	17,000	4,000	9,000	2,000	8,000
Biological sciences	1,429,000	1,125,000	947,000	177,000	38,000	267,000	87,000	180,000
Male	686,000	563,000	506,000	57,000	18,000	105,000	50,000	54,000
Female	743,000	561,000	441,000	120,000	20,000	162,000	36,000	126,000
Environmental life sciences	192,000	164,000	146,000	18,000	5,000	23,000	17,000	6,000
Male	130,000	109,000	102,000	7,000	4,000	17,000	15,000	2,000
Female	62,000	55,000	44,000	11,000	1,000	6,000	2,000	4,000
Computer/mathematical sciences	1,864,000	1,586,000	1,425,000	161,000	60,000	219,000	110,000	109,000
Male	1,230,000	1,086,000	1,024,000	62,000	40,000	103,000	77,000	26,000
Female	635,000	499,000	401,000	98,000	20,000	116,000	33,000	83,000
Computer/information sciences	1,235,000	1,103,000	1,018,000	84,000	46,000	86,000	28,000	59,000
Male	855,000	790,000	759,000	31,000	32,000	34,000	20,000	14,000
Female	380,000	313,000	259,000	53,000	14,000	53,000	8,000	44,000
Mathematical sciences	630,000	483,000	407,000	76,000	15,000	132,000	82,000	51,000
Male	374,000	296,000	265,000	32,000	9,000	69,000	57,000	12,000
Female	255,000	187,000	142,000	45,000	6,000	63,000	25,000	38,000
Physical/related sciences	859,000	688,000	613,000	75,000	23,000	148,000	102,000	45,000
Male	619,000	505,000	466,000	40,000	16,000	98,000	82,000	16,000
Female	241,000	183,000	147,000	35,000	8,000	50,000	21,000	30,000
Chemistry, except biochemistry	407,000	319,000	285,000	34,000	12,000	76,000	49,000	27,000
Male	264,000	213,000	198,000	15,000	6,000	45,000	38,000	7,000
Female	143,000	106,000	88,000	18,000	6,000	31,000	11,000	20,000

TABLE 8. U.S. scientists and engineers, by level and field of highest degree, sex, and employment status: 2006

Level and field of highest degree and sex	All scientists and engineers	Employed			Unemployed/ seeking job	Not in labor force		
		Total	Full time	Part time		Total	Retired	Not seeking job
Earth/atmospheric/ocean sciences	209,000	173,000	157,000	16,000	6,000	29,000	20,000	9,000
Male	164,000	136,000	127,000	9,000	6,000	22,000	17,000	5,000
Female	45,000	37,000	30,000	7,000	1,000	7,000	3,000	5,000
Physics/astronomy	192,000	154,000	133,000	21,000	4,000	33,000	26,000	7,000
Male	162,000	131,000	117,000	14,000	4,000	28,000	24,000	4,000
Female	29,000	24,000	16,000	7,000	1,000	5,000	2,000	3,000
Other physical sciences	51,000	41,000	38,000	4,000	1,000	9,000	7,000	2,000
Male	29,000	25,000	24,000	1,000	S	3,000	2,000	S
Female	23,000	16,000	13,000	3,000	S	6,000	5,000	2,000
Social/related sciences	4,880,000	3,890,000	3,149,000	741,000	138,000	853,000	385,000	468,000
Male	2,134,000	1,796,000	1,593,000	203,000	62,000	275,000	195,000	80,000
Female	2,746,000	2,093,000	1,556,000	537,000	76,000	577,000	190,000	388,000
Economics	712,000	594,000	518,000	76,000	12,000	107,000	56,000	51,000
Male	501,000	430,000	392,000	38,000	9,000	62,000	45,000	17,000
Female	211,000	164,000	126,000	37,000	3,000	45,000	11,000	34,000
Political/related sciences	867,000	691,000	588,000	103,000	34,000	142,000	60,000	82,000
Male	512,000	418,000	380,000	38,000	20,000	74,000	45,000	29,000
Female	355,000	273,000	208,000	65,000	14,000	68,000	15,000	53,000
Psychology	1,813,000	1,422,000	1,080,000	342,000	51,000	340,000	145,000	195,000
Male	533,000	448,000	378,000	70,000	15,000	69,000	55,000	15,000
Female	1,281,000	974,000	702,000	273,000	35,000	271,000	90,000	181,000
Sociology/anthropology	969,000	759,000	619,000	140,000	31,000	179,000	79,000	100,000
Male	348,000	296,000	264,000	32,000	12,000	40,000	26,000	15,000
Female	621,000	463,000	356,000	108,000	19,000	139,000	54,000	85,000
Other social sciences	519,000	424,000	344,000	80,000	11,000	84,000	45,000	40,000
Male	241,000	205,000	179,000	26,000	6,000	30,000	25,000	5,000
Female	278,000	219,000	164,000	55,000	4,000	55,000	20,000	35,000
Engineering	2,899,000	2,437,000	2,269,000	168,000	57,000	404,000	312,000	92,000
Male	2,525,000	2,132,000	2,009,000	122,000	46,000	347,000	305,000	42,000
Female	374,000	306,000	259,000	46,000	11,000	57,000	7,000	50,000
Aerospace/related engineering	98,000	83,000	75,000	9,000	1,000	13,000	11,000	2,000
Male	90,000	76,000	70,000	7,000	1,000	13,000	11,000	2,000
Female	8,000	7,000	5,000	2,000	S	1,000	S	1,000
Chemical engineering	203,000	165,000	154,000	10,000	5,000	34,000	24,000	10,000
Male	157,000	126,000	120,000	6,000	4,000	28,000	23,000	4,000
Female	46,000	39,000	35,000	4,000	1,000	6,000	1,000	6,000

TABLE 8. U.S. scientists and engineers, by level and field of highest degree, sex, and employment status: 2006

Level and field of highest degree and sex	All scientists and engineers	Employed			Unemployed/ seeking job	Not in labor force		
		Total	Full time	Part time		Total	Retired	Not seeking job
Civil/architectural engineering	446,000	396,000	370,000	26,000	5,000	45,000	40,000	5,000
Male	389,000	345,000	328,000	17,000	3,000	40,000	38,000	2,000
Female	58,000	51,000	42,000	9,000	2,000	5,000	2,000	3,000
Electrical/computer engineering	932,000	791,000	745,000	46,000	23,000	119,000	90,000	29,000
Male	825,000	703,000	669,000	35,000	18,000	103,000	89,000	14,000
Female	107,000	87,000	76,000	11,000	4,000	16,000	2,000	14,000
Industrial engineering	186,000	146,000	133,000	13,000	5,000	35,000	25,000	10,000
Male	150,000	117,000	108,000	9,000	4,000	29,000	25,000	4,000
Female	36,000	29,000	24,000	4,000	1,000	6,000	S	6,000
Mechanical engineering	609,000	506,000	472,000	34,000	11,000	92,000	76,000	16,000
Male	559,000	466,000	438,000	28,000	10,000	84,000	75,000	9,000
Female	50,000	40,000	34,000	6,000	1,000	8,000	1,000	7,000
Other engineering	425,000	351,000	320,000	31,000	8,000	66,000	45,000	21,000
Male	356,000	299,000	277,000	22,000	6,000	51,000	44,000	7,000
Female	69,000	52,000	43,000	9,000	2,000	15,000	1,000	14,000
S&E-related fields	5,389,000	4,587,000	3,617,000	970,000	64,000	737,000	424,000	314,000
Male	2,179,000	1,931,000	1,729,000	202,000	25,000	223,000	192,000	30,000
Female	3,210,000	2,656,000	1,888,000	769,000	39,000	515,000	231,000	283,000
Health	4,213,000	3,596,000	2,764,000	832,000	46,000	571,000	303,000	268,000
Male	1,400,000	1,256,000	1,117,000	139,000	11,000	133,000	111,000	21,000
Female	2,813,000	2,340,000	1,647,000	693,000	35,000	439,000	192,000	247,000
Science/mathematics teacher education	437,000	334,000	261,000	74,000	7,000	96,000	74,000	22,000
Male	193,000	147,000	119,000	28,000	S	42,000	40,000	3,000
Female	244,000	187,000	142,000	46,000	3,000	54,000	34,000	20,000
Technology/technical fields	375,000	328,000	305,000	23,000	7,000	39,000	29,000	10,000
Male	322,000	283,000	269,000	14,000	7,000	32,000	26,000	5,000
Female	53,000	44,000	36,000	9,000	S	8,000	3,000	5,000
Other S&E-related fields	364,000	329,000	288,000	41,000	4,000	31,000	17,000	14,000
Male	264,000	245,000	224,000	20,000	3,000	16,000	15,000	S
Female	100,000	84,000	64,000	21,000	S	15,000	2,000	12,000
Non-S&E fields	4,805,000	4,184,000	3,645,000	539,000	91,000	530,000	358,000	172,000
Male	2,700,000	2,395,000	2,212,000	183,000	45,000	261,000	232,000	29,000
Female	2,105,000	1,789,000	1,434,000	355,000	46,000	270,000	127,000	143,000
Arts/humanities	376,000	329,000	270,000	59,000	10,000	37,000	21,000	16,000
Male	197,000	178,000	159,000	19,000	4,000	15,000	9,000	5,000
Female	179,000	151,000	111,000	40,000	6,000	22,000	12,000	10,000

TABLE 8. U.S. scientists and engineers, by level and field of highest degree, sex, and employment status: 2006

Level and field of highest degree and sex	All scientists and engineers	Employed			Unemployed/ seeking job	Not in labor force		
		Total	Full time	Part time		Total	Retired	Not seeking job
Education, except science/mathematics teacher education	1,111,000	924,000	771,000	153,000	15,000	172,000	124,000	49,000
Male	433,000	356,000	314,000	42,000	3,000	74,000	72,000	2,000
Female	678,000	568,000	457,000	111,000	12,000	98,000	52,000	47,000
Management/administration	1,570,000	1,387,000	1,275,000	112,000	41,000	142,000	100,000	42,000
Male	1,111,000	1,000,000	951,000	49,000	25,000	86,000	80,000	6,000
Female	459,000	387,000	324,000	63,000	16,000	56,000	20,000	36,000
Sales/marketing	168,000	146,000	136,000	10,000	4,000	18,000	7,000	11,000
Male	103,000	95,000	91,000	4,000	S	5,000	5,000	S
Female	65,000	51,000	45,000	6,000	S	13,000	S	10,000
Social services/related	392,000	342,000	270,000	72,000	7,000	43,000	30,000	13,000
Male	176,000	150,000	133,000	17,000	3,000	23,000	19,000	4,000
Female	217,000	192,000	137,000	55,000	4,000	21,000	11,000	9,000
Other non-S&E fields	1,188,000	1,056,000	923,000	133,000	13,000	118,000	76,000	42,000
Male	681,000	616,000	564,000	52,000	6,000	58,000	47,000	11,000
Female	507,000	440,000	359,000	81,000	7,000	60,000	29,000	31,000
Bachelor's degrees	13,228,000	10,886,000	9,193,000	1,692,000	322,000	2,020,000	992,000	1,029,000
Male	7,005,000	6,007,000	5,556,000	451,000	171,000	826,000	615,000	211,000
Female	6,223,000	4,878,000	3,637,000	1,241,000	151,000	1,194,000	377,000	817,000
S&E fields	9,173,000	7,415,000	6,412,000	1,004,000	264,000	1,493,000	717,000	777,000
Male	5,437,000	4,587,000	4,235,000	352,000	147,000	702,000	515,000	187,000
Female	3,736,000	2,828,000	2,176,000	652,000	117,000	791,000	201,000	590,000
Sciences	7,098,000	5,680,000	4,795,000	885,000	224,000	1,194,000	482,000	712,000
Male	3,618,000	3,061,000	2,795,000	266,000	115,000	443,000	286,000	157,000
Female	3,479,000	2,619,000	2,000,000	619,000	109,000	751,000	196,000	555,000
Biological/agricultural/environmental life sciences	1,448,000	1,151,000	972,000	178,000	41,000	256,000	80,000	176,000
Male	728,000	600,000	543,000	57,000	21,000	107,000	55,000	52,000
Female	720,000	551,000	430,000	121,000	20,000	149,000	25,000	124,000
Agricultural/food sciences	254,000	218,000	195,000	24,000	7,000	29,000	20,000	8,000
Male	158,000	135,000	126,000	9,000	3,000	20,000	19,000	1,000
Female	96,000	84,000	69,000	15,000	4,000	8,000	S	7,000
Biological sciences	1,048,000	807,000	665,000	143,000	29,000	212,000	49,000	163,000
Male	470,000	382,000	337,000	45,000	14,000	75,000	25,000	50,000
Female	578,000	426,000	328,000	98,000	15,000	137,000	24,000	113,000
Environmental life sciences	145,000	125,000	112,000	12,000	5,000	16,000	11,000	5,000
Male	100,000	84,000	80,000	4,000	4,000	12,000	11,000	1,000
Female	45,000	41,000	33,000	8,000	1,000	4,000	S	4,000

TABLE 8. U.S. scientists and engineers, by level and field of highest degree, sex, and employment status: 2006

Level and field of highest degree and sex	All scientists and engineers	Employed			Unemployed/ seeking job	Not in labor force		
		Total	Full time	Part time		Total	Retired	Not seeking job
Computer/mathematical sciences	1,327,000	1,123,000	1,007,000	115,000	45,000	159,000	71,000	88,000
Male	863,000	764,000	722,000	42,000	30,000	69,000	47,000	22,000
Female	464,000	359,000	285,000	74,000	15,000	90,000	24,000	66,000
Computer/information sciences	867,000	774,000	713,000	61,000	35,000	58,000	13,000	45,000
Male	601,000	556,000	535,000	21,000	24,000	20,000	9,000	12,000
Female	266,000	218,000	178,000	40,000	11,000	37,000	4,000	33,000
Mathematical sciences	460,000	349,000	294,000	55,000	10,000	101,000	58,000	44,000
Male	262,000	208,000	187,000	21,000	6,000	48,000	38,000	10,000
Female	198,000	141,000	106,000	34,000	4,000	53,000	20,000	33,000
Physical/related sciences	538,000	419,000	375,000	44,000	17,000	102,000	66,000	35,000
Male	367,000	296,000	274,000	21,000	10,000	61,000	49,000	13,000
Female	170,000	124,000	101,000	23,000	6,000	40,000	17,000	23,000
Chemistry, except biochemistry	268,000	206,000	185,000	20,000	8,000	54,000	32,000	22,000
Male	162,000	130,000	122,000	8,000	2,000	29,000	24,000	6,000
Female	106,000	76,000	63,000	12,000	6,000	25,000	8,000	17,000
Earth/atmospheric/ocean sciences	131,000	105,000	96,000	9,000	5,000	21,000	14,000	7,000
Male	103,000	84,000	77,000	6,000	5,000	14,000	11,000	4,000
Female	28,000	21,000	19,000	3,000	*	7,000	S	4,000
Physics/astronomy	95,000	74,000	61,000	12,000	3,000	19,000	15,000	4,000
Male	79,000	60,000	54,000	6,000	3,000	16,000	13,000	3,000
Female	17,000	14,000	8,000	6,000	S	3,000	S	1,000
Other physical sciences	43,000	34,000	32,000	2,000	S	8,000	6,000	2,000
Male	24,000	21,000	21,000	S	S	S	S	S
Female	19,000	13,000	12,000	1,000	S	6,000	5,000	1,000
Social/related sciences	3,786,000	2,988,000	2,441,000	547,000	121,000	677,000	265,000	412,000
Male	1,661,000	1,402,000	1,256,000	146,000	53,000	206,000	136,000	70,000
Female	2,126,000	1,586,000	1,185,000	402,000	68,000	471,000	129,000	342,000
Economics	604,000	504,000	442,000	61,000	11,000	89,000	42,000	48,000
Male	423,000	367,000	339,000	28,000	8,000	48,000	32,000	15,000
Female	181,000	137,000	104,000	33,000	3,000	42,000	9,000	32,000
Political/related sciences	714,000	561,000	479,000	83,000	30,000	123,000	47,000	76,000
Male	418,000	339,000	309,000	30,000	17,000	62,000	35,000	27,000
Female	295,000	222,000	169,000	52,000	13,000	61,000	12,000	48,000
Psychology	1,204,000	921,000	703,000	219,000	43,000	239,000	77,000	162,000
Male	336,000	282,000	241,000	41,000	13,000	41,000	32,000	9,000
Female	868,000	639,000	462,000	178,000	30,000	199,000	46,000	153,000

TABLE 8. U.S. scientists and engineers, by level and field of highest degree, sex, and employment status: 2006

Level and field of highest degree and sex	All scientists and engineers	Employed			Unemployed/ seeking job	Not in labor force		
		Total	Full time	Part time		Total	Retired	Not seeking job
Sociology/anthropology	867,000	676,000	555,000	121,000	29,000	162,000	68,000	94,000
Male	301,000	256,000	231,000	25,000	11,000	34,000	20,000	14,000
Female	566,000	420,000	324,000	96,000	18,000	129,000	48,000	80,000
Other social sciences	398,000	326,000	262,000	64,000	9,000	63,000	31,000	32,000
Male	183,000	157,000	136,000	21,000	5,000	21,000	17,000	4,000
Female	214,000	169,000	126,000	43,000	4,000	42,000	14,000	28,000
Engineering	2,075,000	1,735,000	1,617,000	119,000	40,000	300,000	234,000	65,000
Male	1,819,000	1,526,000	1,440,000	86,000	33,000	260,000	230,000	30,000
Female	257,000	209,000	176,000	32,000	8,000	40,000	5,000	35,000
Aerospace/related engineering	69,000	59,000	53,000	6,000	1,000	9,000	7,000	2,000
Male	63,000	54,000	49,000	4,000	1,000	9,000	7,000	1,000
Female	6,000	6,000	4,000	2,000	S	1,000	S	1,000
Chemical engineering	150,000	120,000	112,000	8,000	3,000	26,000	18,000	8,000
Male	112,000	89,000	84,000	4,000	3,000	21,000	18,000	3,000
Female	38,000	32,000	28,000	4,000	1,000	5,000	S	5,000
Civil/architectural engineering	334,000	295,000	278,000	17,000	3,000	36,000	31,000	5,000
Male	293,000	260,000	247,000	12,000	1,000	31,000	30,000	2,000
Female	41,000	35,000	31,000	5,000	2,000	4,000	1,000	3,000
Electrical/computer engineering	640,000	544,000	512,000	32,000	17,000	79,000	61,000	18,000
Male	574,000	490,000	465,000	25,000	15,000	69,000	60,000	9,000
Female	66,000	54,000	47,000	7,000	2,000	10,000	S	9,000
Industrial engineering	140,000	108,000	99,000	9,000	5,000	27,000	19,000	8,000
Male	113,000	87,000	81,000	6,000	3,000	23,000	19,000	3,000
Female	27,000	21,000	18,000	3,000	1,000	4,000	S	4,000
Mechanical engineering	489,000	405,000	377,000	29,000	6,000	77,000	65,000	12,000
Male	450,000	373,000	350,000	23,000	6,000	71,000	64,000	7,000
Female	39,000	33,000	27,000	6,000	S	6,000	S	5,000
Other engineering	253,000	203,000	186,000	17,000	5,000	45,000	32,000	13,000
Male	213,000	175,000	163,000	12,000	4,000	35,000	31,000	4,000
Female	39,000	29,000	23,000	6,000	1,000	10,000	S	9,000
S&E-related fields	2,890,000	2,399,000	1,841,000	557,000	37,000	455,000	234,000	221,000
Male	926,000	815,000	754,000	61,000	15,000	96,000	79,000	17,000
Female	1,964,000	1,583,000	1,087,000	497,000	22,000	359,000	155,000	204,000
Health	2,100,000	1,731,000	1,257,000	474,000	23,000	346,000	160,000	186,000
Male	364,000	323,000	298,000	25,000	3,000	38,000	28,000	10,000
Female	1,735,000	1,407,000	958,000	449,000	20,000	308,000	132,000	176,000

TABLE 8. U.S. scientists and engineers, by level and field of highest degree, sex, and employment status: 2006

Level and field of highest degree and sex	All scientists and engineers	Employed			Unemployed/ seeking job	Not in labor force		
		Total	Full time	Part time		Total	Retired	Not seeking job
Science/mathematics teacher education	218,000	159,000	124,000	35,000	5,000	54,000	37,000	17,000
Male	99,000	74,000	63,000	11,000	S	21,000	19,000	S
Female	119,000	85,000	60,000	25,000	S	33,000	18,000	15,000
Technology/technical fields	313,000	275,000	255,000	20,000	7,000	31,000	24,000	7,000
Male	272,000	241,000	228,000	13,000	6,000	25,000	21,000	4,000
Female	41,000	34,000	27,000	7,000	S	6,000	3,000	3,000
Other S&E-related fields	260,000	234,000	206,000	28,000	S	24,000	12,000	11,000
Male	191,000	177,000	165,000	12,000	S	12,000	10,000	S
Female	69,000	57,000	42,000	15,000	S	12,000	S	10,000
Non-S&E fields	1,165,000	1,071,000	940,000	131,000	21,000	72,000	41,000	30,000
Male	641,000	604,000	567,000	38,000	9,000	28,000	21,000	7,000
Female	523,000	467,000	374,000	93,000	12,000	44,000	21,000	24,000
Arts/humanities	240,000	219,000	185,000	34,000	4,000	17,000	8,000	9,000
Male	134,000	126,000	115,000	11,000	S	5,000	3,000	S
Female	106,000	93,000	70,000	23,000	2,000	11,000	6,000	6,000
Education, except science/mathematics teacher education	204,000	182,000	147,000	35,000	3,000	19,000	14,000	6,000
Male	67,000	61,000	54,000	7,000	S	6,000	5,000	S
Female	137,000	121,000	93,000	28,000	S	14,000	9,000	5,000
Management/administration	444,000	411,000	379,000	32,000	11,000	22,000	15,000	8,000
Male	300,000	284,000	275,000	9,000	4,000	12,000	11,000	S
Female	144,000	127,000	104,000	22,000	7,000	11,000	4,000	7,000
Sales/marketing	55,000	52,000	51,000	1,000	S	S	S	S
Male	29,000	28,000	28,000	S	S	S	S	S
Female	26,000	24,000	23,000	S	S	S	S	S
Social services/related	41,000	35,000	28,000	7,000	2,000	3,000	S	S
Male	25,000	22,000	18,000	4,000	2,000	S	S	S
Female	15,000	13,000	11,000	3,000	S	S	S	S
Other non-S&E fields	180,000	172,000	150,000	23,000	S	7,000	3,000	4,000
Male	86,000	83,000	76,000	6,000	S	2,000	S	S
Female	94,000	89,000	73,000	16,000	S	5,000	S	S
Master's degrees	6,411,000	5,384,000	4,574,000	810,000	129,000	898,000	594,000	305,000
Male	3,373,000	2,878,000	2,631,000	248,000	70,000	424,000	372,000	52,000
Female	3,039,000	2,506,000	1,943,000	563,000	59,000	474,000	221,000	253,000
S&E fields	2,438,000	2,022,000	1,737,000	285,000	51,000	364,000	246,000	118,000
Male	1,489,000	1,255,000	1,147,000	108,000	33,000	201,000	171,000	30,000
Female	949,000	767,000	590,000	177,000	19,000	163,000	75,000	88,000

TABLE 8. U.S. scientists and engineers, by level and field of highest degree, sex, and employment status: 2006

Level and field of highest degree and sex	All scientists and engineers	Employed			Unemployed/ seeking job	Not in labor force		
		Total	Full time	Part time		Total	Retired	Not seeking job
Sciences	1,758,000	1,447,000	1,203,000	244,000	36,000	275,000	181,000	94,000
Male	913,000	765,000	685,000	80,000	21,000	127,000	108,000	20,000
Female	845,000	682,000	518,000	165,000	15,000	147,000	74,000	74,000
Biological/agricultural/environmental life sciences	263,000	210,000	180,000	30,000	5,000	48,000	33,000	15,000
Male	134,000	106,000	97,000	9,000	1,000	26,000	22,000	4,000
Female	129,000	104,000	83,000	21,000	4,000	22,000	11,000	11,000
Agricultural/food sciences	35,000	29,000	26,000	3,000	S	6,000	5,000	*
Male	21,000	16,000	15,000	1,000	S	5,000	5,000	S
Female	14,000	13,000	11,000	2,000	S	1,000	S	*
Biological sciences	187,000	148,000	126,000	22,000	4,000	35,000	22,000	13,000
Male	88,000	70,000	64,000	6,000	1,000	17,000	14,000	3,000
Female	100,000	78,000	62,000	16,000	3,000	19,000	8,000	10,000
Environmental life sciences	40,000	33,000	28,000	5,000	S	7,000	5,000	1,000
Male	25,000	20,000	18,000	2,000	S	5,000	4,000	S
Female	15,000	13,000	10,000	3,000	S	2,000	S	*
Computer/mathematical sciences	481,000	411,000	370,000	41,000	15,000	55,000	34,000	20,000
Male	319,000	279,000	261,000	18,000	10,000	30,000	26,000	4,000
Female	161,000	132,000	109,000	24,000	5,000	25,000	8,000	16,000
Computer/information sciences	348,000	309,000	287,000	23,000	11,000	28,000	14,000	14,000
Male	238,000	217,000	209,000	9,000	7,000	13,000	11,000	3,000
Female	110,000	92,000	78,000	14,000	4,000	15,000	4,000	11,000
Mathematical sciences	133,000	102,000	83,000	19,000	4,000	26,000	20,000	7,000
Male	81,000	61,000	53,000	9,000	3,000	17,000	15,000	2,000
Female	51,000	40,000	30,000	10,000	1,000	10,000	5,000	5,000
Physical/related sciences	157,000	132,000	110,000	21,000	3,000	23,000	16,000	7,000
Male	114,000	95,000	84,000	11,000	3,000	17,000	14,000	2,000
Female	43,000	37,000	26,000	11,000	*	6,000	1,000	5,000
Chemistry, except biochemistry	53,000	43,000	34,000	9,000	2,000	9,000	6,000	3,000
Male	33,000	26,000	22,000	4,000	2,000	5,000	4,000	1,000
Female	21,000	17,000	12,000	5,000	S	4,000	1,000	2,000
Earth/atmospheric/ocean sciences	56,000	50,000	45,000	6,000	1,000	5,000	4,000	1,000
Male	43,000	38,000	36,000	2,000	S	5,000	4,000	1,000
Female	13,000	12,000	9,000	4,000	S	1,000	S	1,000
Physics/astronomy	42,000	34,000	28,000	6,000	*	8,000	5,000	2,000
Male	35,000	29,000	24,000	5,000	S	6,000	5,000	1,000
Female	7,000	5,000	4,000	1,000	S	2,000	S	2,000

TABLE 8. U.S. scientists and engineers, by level and field of highest degree, sex, and employment status: 2006

Level and field of highest degree and sex	All scientists and engineers	Employed			Unemployed/ seeking job	Not in labor force		
		Total	Full time	Part time		Total	Retired	Not seeking job
Other physical sciences	6,000	4,000	3,000	1,000	S	1,000	S	S
Male	3,000	2,000	2,000	S	S	S	S	S
Female	3,000	2,000	1,000	1,000	S	S	S	S
Social/related sciences	858,000	694,000	543,000	151,000	14,000	150,000	99,000	51,000
Male	347,000	285,000	243,000	42,000	7,000	55,000	46,000	9,000
Female	511,000	409,000	300,000	109,000	7,000	95,000	53,000	42,000
Economics	81,000	67,000	55,000	12,000	1,000	13,000	10,000	3,000
Male	56,000	45,000	37,000	8,000	1,000	10,000	10,000	1,000
Female	25,000	22,000	18,000	4,000	S	3,000	S	2,000
Political/related sciences	130,000	110,000	92,000	18,000	4,000	16,000	10,000	6,000
Male	77,000	65,000	58,000	6,000	3,000	10,000	8,000	2,000
Female	53,000	46,000	34,000	12,000	1,000	7,000	2,000	4,000
Psychology	474,000	379,000	287,000	92,000	6,000	88,000	58,000	30,000
Male	136,000	112,000	93,000	19,000	1,000	23,000	18,000	5,000
Female	338,000	268,000	194,000	73,000	5,000	65,000	40,000	25,000
Sociology/anthropology	71,000	56,000	42,000	15,000	2,000	14,000	9,000	5,000
Male	31,000	26,000	21,000	5,000	S	5,000	4,000	1,000
Female	40,000	31,000	21,000	10,000	1,000	9,000	5,000	4,000
Other social sciences	101,000	81,000	67,000	14,000	1,000	19,000	12,000	7,000
Male	46,000	38,000	34,000	4,000	S	7,000	6,000	1,000
Female	55,000	43,000	32,000	11,000	*	12,000	5,000	7,000
Engineering	679,000	575,000	534,000	41,000	15,000	89,000	64,000	25,000
Male	576,000	490,000	462,000	28,000	12,000	74,000	63,000	10,000
Female	104,000	85,000	72,000	13,000	3,000	15,000	1,000	14,000
Aerospace/related engineering	22,000	18,000	17,000	1,000	S	4,000	3,000	*
Male	20,000	17,000	15,000	1,000	S	3,000	3,000	*
Female	2,000	1,000	1,000	*	S	*	S	*
Chemical engineering	32,000	27,000	26,000	1,000	1,000	5,000	3,000	2,000
Male	26,000	21,000	21,000	1,000	1,000	4,000	3,000	1,000
Female	6,000	6,000	5,000	*	S	1,000	S	1,000
Civil/architectural engineering	100,000	90,000	82,000	8,000	1,000	8,000	8,000	1,000
Male	85,000	76,000	72,000	4,000	S	8,000	7,000	S
Female	15,000	14,000	11,000	4,000	S	1,000	S	S
Electrical/computer engineering	251,000	210,000	199,000	11,000	5,000	36,000	26,000	10,000
Male	213,000	180,000	172,000	8,000	3,000	30,000	25,000	4,000
Female	38,000	30,000	26,000	4,000	2,000	6,000	S	6,000

TABLE 8. U.S. scientists and engineers, by level and field of highest degree, sex, and employment status: 2006

Level and field of highest degree and sex	All scientists and engineers	Employed			Unemployed/ seeking job	Not in labor force		
		Total	Full time	Part time		Total	Retired	Not seeking job
Industrial engineering	42,000	34,000	31,000	3,000	1,000	7,000	5,000	2,000
Male	34,000	27,000	25,000	3,000	1,000	6,000	5,000	S
Female	8,000	7,000	6,000	1,000	S	1,000	S	1,000
Mechanical engineering	102,000	84,000	79,000	5,000	5,000	13,000	10,000	4,000
Male	92,000	77,000	73,000	4,000	4,000	11,000	9,000	2,000
Female	10,000	7,000	6,000	1,000	S	2,000	S	2,000
Other engineering	131,000	112,000	101,000	11,000	3,000	16,000	9,000	7,000
Male	106,000	93,000	85,000	8,000	2,000	11,000	9,000	2,000
Female	25,000	20,000	16,000	4,000	*	5,000	S	5,000
S&E-related fields	1,193,000	1,012,000	802,000	210,000	19,000	162,000	94,000	67,000
Male	359,000	314,000	276,000	38,000	7,000	38,000	34,000	4,000
Female	834,000	699,000	526,000	173,000	12,000	123,000	60,000	63,000
Health	828,000	704,000	547,000	157,000	14,000	109,000	53,000	57,000
Male	156,000	141,000	129,000	12,000	5,000	10,000	8,000	2,000
Female	672,000	564,000	418,000	145,000	9,000	99,000	44,000	55,000
Science/mathematics teacher education	208,000	168,000	130,000	38,000	S	39,000	33,000	5,000
Male	88,000	69,000	52,000	17,000	S	18,000	18,000	S
Female	120,000	99,000	78,000	21,000	S	20,000	16,000	5,000
Technology/technical fields	58,000	50,000	47,000	3,000	1,000	7,000	4,000	3,000
Male	46,000	40,000	39,000	S	S	5,000	4,000	1,000
Female	12,000	10,000	8,000	S	S	2,000	S	S
Other S&E-related fields	99,000	90,000	77,000	13,000	S	7,000	5,000	S
Male	69,000	64,000	56,000	8,000	S	4,000	4,000	S
Female	30,000	26,000	21,000	5,000	S	2,000	S	S
Non-S&E fields	2,781,000	2,350,000	2,035,000	315,000	59,000	372,000	254,000	119,000
Male	1,524,000	1,310,000	1,207,000	102,000	30,000	185,000	167,000	18,000
Female	1,257,000	1,040,000	827,000	213,000	29,000	188,000	87,000	101,000
Arts/humanities	116,000	92,000	70,000	22,000	6,000	18,000	12,000	7,000
Male	52,000	41,000	34,000	7,000	2,000	8,000	6,000	S
Female	64,000	50,000	36,000	15,000	4,000	10,000	6,000	4,000
Education, except science/mathematics teacher education	835,000	681,000	571,000	111,000	12,000	141,000	99,000	42,000
Male	327,000	263,000	231,000	32,000	3,000	61,000	60,000	1,000
Female	508,000	418,000	339,000	79,000	10,000	80,000	39,000	41,000
Management/administration	1,109,000	962,000	883,000	79,000	30,000	118,000	83,000	34,000
Male	798,000	704,000	665,000	39,000	21,000	73,000	68,000	5,000
Female	311,000	258,000	218,000	40,000	9,000	44,000	15,000	29,000

TABLE 8. U.S. scientists and engineers, by level and field of highest degree, sex, and employment status: 2006

Level and field of highest degree and sex	All scientists and engineers	Employed			Unemployed/ seeking job	Not in labor force		
		Total	Full time	Part time		Total	Retired	Not seeking job
Sales/marketing	111,000	92,000	84,000	9,000	4,000	15,000	6,000	8,000
Male	72,000	65,000	62,000	3,000	S	4,000	4,000	S
Female	38,000	27,000	22,000	5,000	S	10,000	S	8,000
Social services/related	316,000	276,000	215,000	61,000	4,000	36,000	25,000	12,000
Male	122,000	103,000	92,000	11,000	S	18,000	14,000	3,000
Female	194,000	172,000	123,000	50,000	3,000	19,000	10,000	8,000
Other non-S&E fields	295,000	248,000	213,000	35,000	S	44,000	28,000	16,000
Male	154,000	133,000	123,000	10,000	S	20,000	15,000	5,000
Female	141,000	114,000	90,000	24,000	S	25,000	14,000	11,000
Doctorate degrees	1,018,000	883,000	787,000	96,000	14,000	121,000	103,000	18,000
Male	710,000	616,000	565,000	51,000	10,000	85,000	80,000	5,000
Female	308,000	267,000	222,000	45,000	4,000	36,000	24,000	13,000
S&E fields	802,000	699,000	628,000	71,000	12,000	91,000	77,000	14,000
Male	586,000	509,000	469,000	40,000	9,000	69,000	64,000	5,000
Female	216,000	191,000	160,000	31,000	3,000	22,000	13,000	9,000
Sciences	659,000	573,000	510,000	62,000	11,000	76,000	64,000	11,000
Male	456,000	394,000	362,000	32,000	8,000	55,000	52,000	3,000
Female	203,000	179,000	149,000	30,000	3,000	21,000	13,000	8,000
Biological/agricultural/environmental life sciences	223,000	195,000	180,000	15,000	5,000	23,000	19,000	4,000
Male	152,000	132,000	124,000	8,000	4,000	17,000	15,000	1,000
Female	71,000	63,000	56,000	7,000	1,000	7,000	4,000	3,000
Agricultural/food sciences	22,000	19,000	18,000	1,000	*	3,000	3,000	*
Male	18,000	15,000	14,000	1,000	*	3,000	3,000	S
Female	4,000	4,000	3,000	*	S	*	*	*
Biological sciences	193,000	169,000	156,000	13,000	5,000	19,000	16,000	4,000
Male	128,000	112,000	105,000	6,000	3,000	13,000	12,000	1,000
Female	65,000	58,000	51,000	6,000	1,000	6,000	4,000	3,000
Environmental life sciences	8,000	6,000	6,000	*	S	1,000	1,000	S
Male	6,000	5,000	4,000	*	S	1,000	1,000	S
Female	2,000	2,000	1,000	S	S	S	S	S
Computer/mathematical sciences	57,000	52,000	48,000	4,000	*	5,000	5,000	*
Male	48,000	43,000	40,000	3,000	*	4,000	4,000	*
Female	9,000	9,000	8,000	1,000	S	1,000	1,000	*
Computer/information sciences	20,000	19,000	18,000	1,000	*	1,000	*	*
Male	17,000	16,000	16,000	1,000	S	*	*	S
Female	3,000	3,000	3,000	*	S	*	*	S

TABLE 8. U.S. scientists and engineers, by level and field of highest degree, sex, and employment status: 2006

Level and field of highest degree and sex	All scientists and engineers	Employed			Unemployed/ seeking job	Not in labor force		
		Total	Full time	Part time		Total	Retired	Not seeking job
Mathematical sciences	37,000	33,000	30,000	3,000	*	4,000	4,000	*
Male	31,000	27,000	25,000	2,000	*	4,000	4,000	S
Female	6,000	6,000	5,000	1,000	S	1,000	1,000	*
Physical/related sciences	164,000	137,000	128,000	9,000	3,000	23,000	21,000	3,000
Male	137,000	115,000	108,000	7,000	3,000	20,000	19,000	1,000
Female	27,000	22,000	20,000	2,000	1,000	4,000	2,000	2,000
Chemistry, except biochemistry	86,000	71,000	66,000	5,000	2,000	13,000	12,000	1,000
Male	69,000	57,000	53,000	4,000	2,000	11,000	10,000	*
Female	17,000	13,000	12,000	1,000	1,000	2,000	1,000	1,000
Earth/atmospheric/ocean sciences	21,000	18,000	16,000	1,000	*	3,000	3,000	*
Male	18,000	14,000	13,000	1,000	*	3,000	3,000	*
Female	4,000	3,000	3,000	*	*	*	*	S
Physics/astronomy	54,000	47,000	43,000	3,000	1,000	7,000	6,000	1,000
Male	48,000	42,000	39,000	3,000	1,000	6,000	5,000	*
Female	6,000	5,000	4,000	1,000	*	1,000	*	1,000
Other physical sciences	3,000	3,000	2,000	*	S	S	S	S
Male	2,000	2,000	2,000	S	S	S	S	S
Female	1,000	1,000	1,000	*	S	S	S	S
Social/related sciences	214,000	188,000	154,000	34,000	2,000	24,000	19,000	4,000
Male	119,000	104,000	90,000	14,000	1,000	14,000	13,000	1,000
Female	95,000	85,000	64,000	20,000	1,000	10,000	6,000	3,000
Economics	27,000	23,000	21,000	2,000	*	4,000	3,000	1,000
Male	22,000	18,000	16,000	2,000	*	3,000	3,000	S
Female	5,000	5,000	4,000	1,000	S	1,000	*	*
Political/related sciences	23,000	19,000	17,000	2,000	*	3,000	3,000	1,000
Male	17,000	14,000	13,000	2,000	S	2,000	2,000	*
Female	6,000	5,000	5,000	1,000	S	1,000	*	*
Psychology	114,000	102,000	78,000	24,000	1,000	11,000	8,000	2,000
Male	53,000	48,000	40,000	8,000	*	5,000	5,000	*
Female	61,000	55,000	39,000	16,000	1,000	6,000	4,000	2,000
Sociology/anthropology	30,000	27,000	23,000	4,000	*	3,000	3,000	*
Male	16,000	14,000	12,000	2,000	S	2,000	2,000	S
Female	14,000	13,000	11,000	2,000	S	1,000	1,000	*
Other social sciences	20,000	17,000	15,000	2,000	*	3,000	2,000	*
Male	12,000	10,000	9,000	1,000	S	2,000	2,000	S
Female	9,000	7,000	6,000	1,000	S	1,000	1,000	*



TABLE 8. U.S. scientists and engineers, by level and field of highest degree, sex, and employment status: 2006

Level and field of highest degree and sex	All scientists and engineers	Employed			Unemployed/ seeking job	Not in labor force		
		Total	Full time	Part time		Total	Retired	Not seeking job
Other S&E-related fields	4,000	4,000	4,000	S	S	S	S	S
Male	3,000	3,000	3,000	S	S	S	S	S
Female	1,000	1,000	1,000	S	S	S	S	S
Non-S&E degrees	150,000	127,000	110,000	18,000	S	22,000	19,000	3,000
Male	90,000	78,000	70,000	9,000	S	11,000	10,000	S
Female	61,000	49,000	40,000	9,000	S	11,000	8,000	3,000
Arts/humanities	20,000	18,000	15,000	3,000	S	2,000	2,000	S
Male	11,000	10,000	9,000	S	S	S	S	S
Female	9,000	8,000	6,000	2,000	S	1,000	S	S
Education, except science/mathematics teacher education	69,000	57,000	51,000	6,000	S	12,000	11,000	S
Male	38,000	30,000	28,000	3,000	S	7,000	7,000	S
Female	32,000	27,000	23,000	4,000	S	5,000	4,000	S
Management/administration	16,000	15,000	13,000	2,000	S	1,000	1,000	S
Male	13,000	12,000	11,000	S	S	S	S	S
Female	3,000	3,000	2,000	S	S	S	S	S
Sales/marketing	2,000	2,000	1,000	S	S	S	S	S
Male	1,000	1,000	1,000	S	S	S	S	S
Female	S	S	S	S	S	S	S	S
Social services/related	21,000	19,000	16,000	3,000	S	2,000	S	S
Male	16,000	15,000	13,000	2,000	S	S	S	S
Female	5,000	4,000	2,000	1,000	S	S	S	S
Other non-S&E fields	22,000	17,000	14,000	3,000	S	6,000	4,000	S
Male	11,000	10,000	8,000	S	S	S	S	S
Female	12,000	7,000	6,000	S	S	4,000	S	S

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

S&E = science and engineering.

<sup>a</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.