

TABLE 12. Employed U.S. scientists and engineers, by level and field of highest degree, sex, and employment sector: 2006

Level and field of highest degree and sex	Employed scientists and engineers	Business/industry				Educational institution			Government		
		Total	Profit	Self-employed	Nonprofit	Total	4-year college/university	Other	Total	Federal	State/local
All degree levels and fields ^a	18,927,000	13,137,000	9,978,000	1,329,000	1,830,000	3,562,000	1,549,000	2,014,000	2,228,000	824,000	1,405,000
Male	10,683,000	7,963,000	6,582,000	804,000	578,000	1,430,000	750,000	680,000	1,290,000	544,000	746,000
Female	8,244,000	5,173,000	3,396,000	525,000	1,253,000	2,133,000	799,000	1,334,000	938,000	280,000	658,000
S&E fields	10,156,000	7,210,000	5,907,000	620,000	683,000	1,635,000	871,000	764,000	1,311,000	514,000	797,000
Male	6,357,000	4,789,000	4,176,000	365,000	248,000	740,000	493,000	247,000	828,000	365,000	463,000
Female	3,799,000	2,421,000	1,731,000	255,000	435,000	895,000	378,000	517,000	482,000	148,000	334,000
Sciences	7,719,000	5,185,000	4,027,000	520,000	638,000	1,488,000	760,000	729,000	1,045,000	384,000	661,000
Male	4,226,000	2,997,000	2,502,000	281,000	213,000	627,000	401,000	225,000	602,000	254,000	349,000
Female	3,493,000	2,188,000	1,524,000	239,000	425,000	862,000	358,000	504,000	443,000	130,000	312,000
Biological/agricultural/environmental life sciences	1,555,000	970,000	724,000	103,000	142,000	360,000	246,000	114,000	225,000	97,000	129,000
Male	838,000	529,000	419,000	63,000	47,000	166,000	125,000	41,000	143,000	63,000	80,000
Female	717,000	441,000	306,000	40,000	95,000	194,000	121,000	73,000	82,000	34,000	49,000
Agricultural/food sciences	267,000	188,000	141,000	34,000	13,000	41,000	28,000	13,000	38,000	21,000	17,000
Male	166,000	115,000	88,000	21,000	5,000	25,000	19,000	7,000	26,000	16,000	10,000
Female	101,000	73,000	52,000	13,000	8,000	16,000	10,000	6,000	12,000	5,000	7,000
Biological sciences	1,125,000	686,000	509,000	62,000	116,000	300,000	206,000	94,000	138,000	58,000	80,000
Male	563,000	352,000	278,000	37,000	38,000	130,000	99,000	31,000	81,000	36,000	45,000
Female	561,000	335,000	231,000	25,000	78,000	170,000	107,000	63,000	57,000	22,000	34,000
Environmental life sciences	164,000	96,000	75,000	7,000	14,000	19,000	12,000	7,000	50,000	18,000	32,000
Male	109,000	62,000	53,000	4,000	5,000	11,000	8,000	3,000	36,000	11,000	25,000
Female	55,000	33,000	22,000	2,000	9,000	8,000	4,000	4,000	14,000	7,000	7,000
Computer/mathematical sciences	1,586,000	1,237,000	1,106,000	59,000	72,000	224,000	113,000	110,000	125,000	59,000	66,000
Male	1,086,000	880,000	803,000	38,000	38,000	121,000	79,000	42,000	85,000	42,000	43,000
Female	499,000	357,000	303,000	21,000	33,000	103,000	34,000	69,000	40,000	17,000	22,000
Computer/information sciences	1,103,000	913,000	832,000	35,000	46,000	99,000	61,000	38,000	91,000	42,000	50,000
Male	790,000	668,000	618,000	23,000	27,000	60,000	44,000	16,000	62,000	30,000	32,000
Female	313,000	245,000	214,000	12,000	19,000	39,000	17,000	22,000	29,000	12,000	17,000
Mathematical sciences	483,000	324,000	274,000	24,000	26,000	125,000	52,000	73,000	34,000	17,000	16,000
Male	296,000	212,000	185,000	15,000	12,000	61,000	35,000	26,000	23,000	12,000	11,000
Female	187,000	112,000	89,000	9,000	14,000	64,000	17,000	47,000	11,000	5,000	5,000
Physical/related sciences	688,000	454,000	384,000	41,000	29,000	151,000	102,000	50,000	82,000	40,000	43,000
Male	505,000	345,000	297,000	33,000	15,000	99,000	69,000	30,000	62,000	31,000	31,000
Female	183,000	110,000	87,000	8,000	14,000	53,000	33,000	20,000	21,000	9,000	12,000
Chemistry, except biochemistry	319,000	225,000	199,000	13,000	14,000	66,000	44,000	22,000	28,000	11,000	17,000
Male	213,000	156,000	140,000	9,000	6,000	38,000	26,000	12,000	20,000	8,000	12,000

TABLE 12. Employed U.S. scientists and engineers, by level and field of highest degree, sex, and employment sector: 2006

Level and field of highest degree and sex	Employed scientists and engineers	Business/industry				Educational institution			Government		
		Total	Profit	Self-employed	Nonprofit	Total	4-year college/university	Other	Total	Federal	State/local
Female	106,000	70,000	59,000	3,000	8,000	29,000	19,000	10,000	8,000	3,000	5,000
Earth/atmospheric/ocean sciences	173,000	107,000	88,000	14,000	5,000	31,000	17,000	14,000	35,000	15,000	20,000
Male	136,000	88,000	73,000	12,000	2,000	21,000	11,000	10,000	27,000	12,000	15,000
Female	37,000	19,000	15,000	2,000	2,000	10,000	5,000	4,000	8,000	2,000	6,000
Physics/astronomy	154,000	95,000	78,000	10,000	7,000	46,000	35,000	11,000	13,000	11,000	2,000
Male	131,000	85,000	71,000	8,000	5,000	36,000	29,000	7,000	10,000	8,000	1,000
Female	24,000	10,000	7,000	2,000	2,000	10,000	6,000	4,000	3,000	3,000	1,000
Other physical sciences	41,000	27,000	20,000	4,000	3,000	8,000	6,000	2,000	6,000	3,000	4,000
Male	25,000	17,000	13,000	3,000	1,000	3,000	3,000	1,000	5,000	2,000	3,000
Female	16,000	10,000	7,000	1,000	2,000	4,000	3,000	1,000	1,000	1,000	1,000
Social/related sciences	3,890,000	2,524,000	1,812,000	317,000	395,000	753,000	298,000	455,000	613,000	189,000	424,000
Male	1,796,000	1,243,000	983,000	147,000	112,000	241,000	128,000	113,000	312,000	118,000	194,000
Female	2,093,000	1,281,000	829,000	170,000	282,000	512,000	170,000	342,000	300,000	70,000	230,000
Economics	594,000	503,000	419,000	56,000	28,000	49,000	33,000	16,000	42,000	22,000	20,000
Male	430,000	366,000	310,000	39,000	17,000	33,000	23,000	10,000	32,000	17,000	14,000
Female	164,000	137,000	110,000	17,000	11,000	17,000	10,000	7,000	10,000	4,000	6,000
Political/related sciences	691,000	480,000	375,000	53,000	52,000	86,000	42,000	45,000	125,000	57,000	68,000
Male	418,000	290,000	243,000	27,000	20,000	43,000	23,000	19,000	85,000	43,000	42,000
Female	273,000	190,000	132,000	26,000	32,000	44,000	18,000	25,000	39,000	13,000	26,000
Psychology	1,422,000	835,000	529,000	124,000	183,000	373,000	124,000	249,000	213,000	47,000	166,000
Male	448,000	285,000	202,000	43,000	40,000	88,000	43,000	45,000	75,000	22,000	53,000
Female	974,000	550,000	326,000	82,000	142,000	286,000	81,000	204,000	138,000	26,000	113,000
Sociology/anthropology	759,000	459,000	308,000	54,000	97,000	138,000	57,000	81,000	162,000	35,000	127,000
Male	296,000	177,000	130,000	22,000	25,000	37,000	20,000	16,000	81,000	18,000	64,000
Female	463,000	281,000	178,000	32,000	72,000	101,000	37,000	64,000	81,000	18,000	63,000
Other social sciences	424,000	247,000	182,000	30,000	35,000	106,000	42,000	64,000	71,000	28,000	43,000
Male	205,000	125,000	98,000	17,000	10,000	41,000	18,000	22,000	39,000	18,000	21,000
Female	219,000	122,000	84,000	14,000	25,000	65,000	24,000	42,000	31,000	9,000	22,000
Engineering	2,437,000	2,025,000	1,880,000	100,000	46,000	147,000	112,000	35,000	265,000	130,000	136,000
Male	2,132,000	1,792,000	1,674,000	83,000	35,000	114,000	92,000	22,000	226,000	112,000	114,000
Female	306,000	233,000	206,000	16,000	10,000	33,000	20,000	13,000	39,000	18,000	22,000
Aerospace/related engineering	83,000	66,000	61,000	3,000	2,000	6,000	5,000	1,000	12,000	9,000	2,000
Male	76,000	60,000	58,000	2,000	1,000	5,000	4,000	S	11,000	9,000	S
Female	7,000	6,000	3,000	S	1,000	1,000	1,000	S	1,000	1,000	S
Chemical engineering	165,000	137,000	128,000	4,000	4,000	16,000	11,000	5,000	12,000	6,000	5,000

TABLE 12. Employed U.S. scientists and engineers, by level and field of highest degree, sex, and employment sector: 2006

Level and field of highest degree and sex	Employed scientists and engineers	Business/industry				Educational institution			Government		
		Total	Profit	Self-employed	Nonprofit	Total	4-year college/university	Other	Total	Federal	State/local
Male	126,000	109,000	103,000	4,000	3,000	11,000	9,000	2,000	6,000	3,000	2,000
Female	39,000	28,000	25,000	1,000	2,000	5,000	2,000	3,000	6,000	3,000	3,000
Civil/architectural engineering	396,000	294,000	267,000	21,000	7,000	16,000	10,000	6,000	87,000	18,000	68,000
Male	345,000	260,000	237,000	17,000	6,000	12,000	8,000	4,000	74,000	16,000	58,000
Female	51,000	34,000	30,000	3,000	1,000	4,000	2,000	2,000	12,000	2,000	10,000
Electrical/computer engineering	791,000	689,000	645,000	28,000	17,000	41,000	34,000	8,000	60,000	42,000	19,000
Male	703,000	615,000	578,000	22,000	15,000	35,000	29,000	5,000	53,000	37,000	17,000
Female	87,000	74,000	66,000	6,000	2,000	7,000	4,000	2,000	7,000	5,000	2,000
Industrial engineering	146,000	125,000	114,000	7,000	5,000	8,000	5,000	3,000	12,000	6,000	5,000
Male	117,000	105,000	97,000	5,000	2,000	6,000	4,000	2,000	7,000	4,000	3,000
Female	29,000	21,000	17,000	1,000	3,000	3,000	1,000	2,000	5,000	2,000	3,000
Mechanical engineering	506,000	439,000	414,000	21,000	4,000	25,000	18,000	6,000	42,000	27,000	15,000
Male	466,000	405,000	381,000	20,000	4,000	21,000	16,000	4,000	40,000	26,000	14,000
Female	40,000	34,000	33,000	1,000	*	4,000	2,000	2,000	2,000	2,000	*
Other engineering	351,000	275,000	252,000	16,000	7,000	35,000	29,000	6,000	41,000	20,000	21,000
Male	299,000	239,000	220,000	13,000	5,000	25,000	21,000	4,000	35,000	17,000	17,000
Female	52,000	36,000	32,000	3,000	1,000	10,000	8,000	2,000	7,000	3,000	4,000
S&E-related fields	4,587,000	3,302,000	2,126,000	385,000	791,000	886,000	432,000	454,000	399,000	151,000	249,000
Male	1,931,000	1,520,000	1,096,000	236,000	188,000	249,000	138,000	112,000	161,000	65,000	96,000
Female	2,656,000	1,782,000	1,031,000	149,000	602,000	637,000	294,000	342,000	238,000	85,000	153,000
Health	3,596,000	2,654,000	1,594,000	302,000	758,000	624,000	395,000	229,000	318,000	127,000	191,000
Male	1,256,000	1,015,000	673,000	173,000	170,000	138,000	118,000	20,000	103,000	48,000	55,000
Female	2,340,000	1,639,000	922,000	130,000	588,000	487,000	278,000	209,000	215,000	79,000	136,000
Science/mathematics teacher education	334,000	99,000	68,000	21,000	9,000	219,000	17,000	202,000	17,000	4,000	13,000
Male	147,000	52,000	37,000	11,000	4,000	86,000	8,000	78,000	9,000	2,000	7,000
Female	187,000	47,000	31,000	10,000	5,000	133,000	9,000	124,000	8,000	2,000	6,000
Technology/technical fields	328,000	276,000	244,000	20,000	12,000	24,000	12,000	13,000	27,000	14,000	14,000
Male	283,000	243,000	215,000	18,000	10,000	17,000	7,000	10,000	24,000	12,000	12,000
Female	44,000	33,000	29,000	2,000	2,000	7,000	4,000	3,000	4,000	2,000	2,000
Other S&E-related fields	329,000	273,000	220,000	42,000	11,000	18,000	8,000	10,000	37,000	6,000	31,000
Male	245,000	211,000	172,000	34,000	5,000	8,000	4,000	4,000	26,000	3,000	22,000
Female	84,000	62,000	48,000	7,000	6,000	10,000	4,000	6,000	12,000	3,000	9,000
Non-S&E fields	4,184,000	2,624,000	1,944,000	324,000	356,000	1,041,000	245,000	796,000	518,000	159,000	359,000
Male	2,395,000	1,654,000	1,310,000	203,000	141,000	440,000	119,000	321,000	301,000	113,000	188,000
Female	1,789,000	970,000	634,000	121,000	215,000	601,000	126,000	475,000	218,000	46,000	172,000

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Level and field of highest degree and sex	Employed scientists and engineers	Business/industry				Educational institution			Government		
		Total	Profit	Self-employed	Nonprofit	Total	4-year college/university	Other	Total	Federal	State/local
Arts/humanities	329,000	203,000	152,000	26,000	26,000	90,000	38,000	52,000	36,000	11,000	25,000
Male	178,000	117,000	91,000	11,000	14,000	44,000	18,000	26,000	17,000	7,000	10,000
Female	151,000	87,000	61,000	15,000	11,000	46,000	20,000	26,000	18,000	4,000	14,000
Education, except science/mathematics teacher education	924,000	211,000	126,000	35,000	49,000	664,000	69,000	595,000	49,000	11,000	38,000
Male	356,000	83,000	54,000	15,000	14,000	249,000	24,000	224,000	24,000	8,000	16,000
Female	568,000	128,000	72,000	20,000	35,000	415,000	44,000	371,000	25,000	3,000	22,000
Management/administration	1,387,000	1,148,000	983,000	79,000	86,000	108,000	55,000	53,000	131,000	57,000	74,000
Male	1,000,000	845,000	748,000	58,000	39,000	61,000	32,000	29,000	94,000	43,000	51,000
Female	387,000	304,000	235,000	21,000	48,000	46,000	23,000	24,000	37,000	14,000	23,000
Sales/marketing	146,000	128,000	112,000	5,000	11,000	11,000	5,000	5,000	7,000	2,000	5,000
Male	95,000	83,000	78,000	2,000	3,000	7,000	4,000	3,000	4,000	S	4,000
Female	51,000	45,000	34,000	3,000	8,000	3,000	S	S	S	S	S
Social services/related	342,000	223,000	82,000	32,000	110,000	65,000	27,000	38,000	54,000	9,000	45,000
Male	150,000	100,000	42,000	14,000	43,000	31,000	14,000	17,000	20,000	7,000	13,000
Female	192,000	124,000	40,000	17,000	67,000	35,000	13,000	21,000	33,000	2,000	32,000
Other non-S&E fields	1,056,000	711,000	490,000	147,000	74,000	104,000	52,000	52,000	242,000	68,000	173,000
Male	616,000	427,000	297,000	103,000	28,000	48,000	27,000	22,000	140,000	47,000	94,000
Female	440,000	283,000	192,000	45,000	46,000	56,000	25,000	30,000	101,000	22,000	79,000
Bachelor's degrees	10,886,000	8,108,000	6,381,000	630,000	1,098,000	1,465,000	610,000	855,000	1,312,000	461,000	852,000
Male	6,007,000	4,747,000	4,088,000	361,000	298,000	490,000	235,000	255,000	770,000	309,000	462,000
Female	4,878,000	3,361,000	2,293,000	269,000	800,000	975,000	375,000	600,000	542,000	152,000	390,000
S&E fields	7,415,000	5,557,000	4,605,000	451,000	500,000	886,000	380,000	507,000	972,000	348,000	624,000
Male	4,587,000	3,637,000	3,194,000	271,000	172,000	336,000	186,000	150,000	614,000	252,000	363,000
Female	2,828,000	1,920,000	1,411,000	180,000	329,000	550,000	194,000	357,000	358,000	97,000	261,000
Sciences	5,680,000	4,084,000	3,235,000	377,000	471,000	819,000	337,000	482,000	778,000	257,000	521,000
Male	3,061,000	2,329,000	1,969,000	210,000	150,000	286,000	152,000	135,000	446,000	172,000	274,000
Female	2,619,000	1,755,000	1,266,000	168,000	321,000	533,000	185,000	347,000	332,000	85,000	247,000
Biological/agricultural/environmental life sciences	1,151,000	788,000	598,000	82,000	108,000	195,000	113,000	82,000	167,000	62,000	106,000
Male	600,000	423,000	340,000	48,000	36,000	70,000	44,000	26,000	107,000	42,000	65,000
Female	551,000	365,000	258,000	35,000	72,000	125,000	69,000	56,000	61,000	20,000	40,000
Agricultural/food sciences	218,000	164,000	124,000	31,000	9,000	22,000	12,000	10,000	32,000	17,000	15,000
Male	135,000	100,000	77,000	20,000	3,000	12,000	7,000	5,000	23,000	14,000	9,000
Female	84,000	64,000	46,000	12,000	6,000	10,000	5,000	5,000	10,000	3,000	6,000
Biological sciences	807,000	547,000	411,000	47,000	89,000	162,000	95,000	67,000	98,000	36,000	63,000
Male	382,000	273,000	219,000	26,000	29,000	52,000	33,000	19,000	57,000	22,000	35,000

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Level and field of highest degree and sex	Employed scientists and engineers	Educational institution									
		Business/industry				Educational institution			Government		
		Total	Profit	Self-employed	Nonprofit	Total	4-year college/university	Other	Total	Federal	State/local
Female	426,000	274,000	193,000	22,000	60,000	111,000	62,000	49,000	42,000	14,000	28,000
Environmental life sciences	125,000	77,000	63,000	4,000	10,000	11,000	7,000	5,000	37,000	9,000	28,000
Male	84,000	50,000	44,000	2,000	3,000	7,000	4,000	3,000	27,000	6,000	21,000
Female	41,000	27,000	19,000	2,000	6,000	4,000	2,000	2,000	10,000	3,000	7,000
Computer/mathematical sciences	1,123,000	902,000	804,000	43,000	56,000	128,000	48,000	80,000	93,000	41,000	52,000
Male	764,000	637,000	580,000	29,000	29,000	63,000	35,000	28,000	63,000	28,000	35,000
Female	359,000	265,000	224,000	14,000	27,000	65,000	13,000	52,000	29,000	13,000	17,000
Computer/information sciences	774,000	648,000	591,000	23,000	34,000	57,000	31,000	26,000	69,000	30,000	39,000
Male	556,000	473,000	438,000	16,000	19,000	36,000	24,000	11,000	47,000	20,000	27,000
Female	218,000	175,000	152,000	7,000	15,000	21,000	7,000	15,000	22,000	10,000	12,000
Mathematical sciences	349,000	253,000	213,000	19,000	21,000	71,000	17,000	54,000	24,000	12,000	12,000
Male	208,000	164,000	141,000	13,000	9,000	28,000	11,000	17,000	16,000	8,000	8,000
Female	141,000	90,000	71,000	6,000	12,000	43,000	6,000	37,000	8,000	3,000	4,000
Physical/related sciences	419,000	301,000	255,000	28,000	18,000	63,000	38,000	26,000	54,000	23,000	32,000
Male	296,000	223,000	194,000	23,000	7,000	34,000	20,000	14,000	39,000	16,000	23,000
Female	124,000	78,000	61,000	5,000	11,000	30,000	18,000	12,000	16,000	7,000	9,000
Chemistry, except biochemistry	206,000	154,000	136,000	8,000	11,000	31,000	20,000	12,000	20,000	7,000	13,000
Male	130,000	102,000	92,000	6,000	4,000	14,000	8,000	6,000	14,000	5,000	9,000
Female	76,000	53,000	44,000	2,000	7,000	17,000	12,000	6,000	6,000	2,000	4,000
Earth/atmospheric/ocean sciences	105,000	73,000	62,000	8,000	2,000	11,000	4,000	7,000	21,000	7,000	14,000
Male	84,000	62,000	53,000	8,000	S	6,000	1,000	5,000	15,000	5,000	10,000
Female	21,000	11,000	9,000	1,000	1,000	5,000	2,000	2,000	6,000	2,000	4,000
Physics/astronomy	74,000	50,000	41,000	7,000	3,000	16,000	10,000	6,000	7,000	7,000	1,000
Male	60,000	45,000	38,000	5,000	1,000	10,000	8,000	3,000	5,000	5,000	*
Female	14,000	6,000	3,000	2,000	1,000	5,000	2,000	3,000	3,000	2,000	S
Other physical sciences	34,000	24,000	17,000	4,000	S	5,000	4,000	1,000	6,000	2,000	4,000
Male	21,000	15,000	11,000	S	S	S	S	S	4,000	1,000	3,000
Female	13,000	9,000	6,000	S	S	3,000	S	S	1,000	1,000	1,000
Social/related sciences	2,988,000	2,093,000	1,578,000	225,000	290,000	432,000	137,000	295,000	463,000	131,000	332,000
Male	1,402,000	1,045,000	855,000	111,000	79,000	120,000	52,000	67,000	237,000	86,000	151,000
Female	1,586,000	1,048,000	723,000	114,000	211,000	313,000	85,000	228,000	226,000	45,000	181,000
Economics	504,000	444,000	374,000	48,000	21,000	28,000	17,000	11,000	32,000	16,000	16,000
Male	367,000	324,000	277,000	33,000	14,000	17,000	10,000	7,000	26,000	13,000	12,000
Female	137,000	120,000	97,000	15,000	7,000	11,000	6,000	4,000	6,000	2,000	4,000
Political/related sciences	561,000	412,000	327,000	44,000	42,000	58,000	21,000	36,000	91,000	38,000	53,000

TABLE 12. Employed U.S. scientists and engineers, by level and field of highest degree, sex, and employment sector: 2006

Level and field of highest degree and sex	Employed scientists and engineers	Educational institution									
		Business/industry				Educational institution			Government		
		Total	Profit	Self-employed	Nonprofit	Total	4-year college/university	Other	Total	Federal	State/local
Male	339,000	252,000	213,000	23,000	16,000	25,000	11,000	14,000	62,000	28,000	34,000
Female	222,000	160,000	114,000	21,000	25,000	32,000	10,000	23,000	29,000	10,000	19,000
Psychology	921,000	595,000	423,000	59,000	113,000	186,000	53,000	133,000	141,000	27,000	114,000
Male	282,000	200,000	158,000	22,000	20,000	35,000	15,000	20,000	47,000	16,000	31,000
Female	639,000	395,000	265,000	37,000	93,000	151,000	38,000	112,000	94,000	11,000	83,000
Sociology/anthropology	676,000	429,000	293,000	48,000	89,000	101,000	29,000	72,000	146,000	30,000	116,000
Male	256,000	164,000	123,000	19,000	23,000	20,000	8,000	12,000	72,000	15,000	58,000
Female	420,000	265,000	170,000	29,000	66,000	81,000	21,000	60,000	73,000	15,000	58,000
Other social sciences	326,000	213,000	161,000	26,000	26,000	60,000	17,000	42,000	53,000	21,000	33,000
Male	157,000	105,000	85,000	14,000	6,000	22,000	8,000	14,000	30,000	14,000	16,000
Female	169,000	108,000	76,000	12,000	20,000	38,000	9,000	29,000	23,000	6,000	17,000
Engineering	1,735,000	1,473,000	1,371,000	74,000	29,000	67,000	43,000	24,000	195,000	92,000	103,000
Male	1,526,000	1,309,000	1,226,000	62,000	21,000	50,000	34,000	15,000	168,000	80,000	89,000
Female	209,000	165,000	145,000	12,000	8,000	18,000	8,000	9,000	27,000	12,000	15,000
Aerospace/related engineering	59,000	49,000	46,000	2,000	2,000	3,000	2,000	S	7,000	5,000	2,000
Male	54,000	44,000	44,000	*	S	2,000	2,000	S	7,000	5,000	S
Female	6,000	5,000	2,000	S	1,000	*	*	S	*	*	S
Chemical engineering	120,000	101,000	96,000	3,000	2,000	11,000	7,000	4,000	8,000	5,000	3,000
Male	89,000	78,000	74,000	3,000	1,000	7,000	6,000	1,000	4,000	2,000	2,000
Female	32,000	24,000	21,000	1,000	2,000	4,000	1,000	3,000	4,000	3,000	1,000
Civil/architectural engineering	295,000	219,000	202,000	13,000	4,000	7,000	4,000	4,000	68,000	14,000	54,000
Male	260,000	194,000	179,000	11,000	3,000	6,000	3,000	3,000	60,000	13,000	47,000
Female	35,000	25,000	23,000	1,000	S	2,000	1,000	S	8,000	1,000	7,000
Electrical/computer engineering	544,000	478,000	446,000	21,000	11,000	18,000	12,000	5,000	47,000	32,000	16,000
Male	490,000	433,000	406,000	17,000	10,000	14,000	11,000	3,000	42,000	28,000	14,000
Female	54,000	46,000	40,000	5,000	1,000	3,000	1,000	2,000	5,000	4,000	1,000
Industrial engineering	108,000	96,000	87,000	5,000	4,000	4,000	1,000	3,000	8,000	4,000	4,000
Male	87,000	81,000	75,000	4,000	2,000	2,000	1,000	S	4,000	3,000	1,000
Female	21,000	16,000	12,000	1,000	3,000	2,000	*	1,000	3,000	1,000	S
Mechanical engineering	405,000	357,000	336,000	19,000	2,000	13,000	8,000	5,000	34,000	22,000	13,000
Male	373,000	329,000	309,000	18,000	2,000	11,000	7,000	4,000	33,000	20,000	13,000
Female	33,000	29,000	27,000	1,000	S	2,000	1,000	2,000	2,000	1,000	S
Other engineering	203,000	171,000	157,000	11,000	3,000	11,000	9,000	2,000	21,000	10,000	11,000
Male	175,000	151,000	138,000	9,000	3,000	7,000	5,000	2,000	17,000	8,000	9,000
Female	29,000	21,000	18,000	2,000	S	4,000	4,000	1,000	3,000	1,000	2,000

TABLE 12. Employed U.S. scientists and engineers, by level and field of highest degree, sex, and employment sector: 2006

Level and field of highest degree and sex	Employed scientists and engineers	Educational institution									
		Business/industry				4-year college/university			Government		
		Total	Profit	Self-employed	Nonprofit	Total	Other	Total	Federal	State/local	
S&E-related fields	2,399,000	1,801,000	1,176,000	125,000	499,000	380,000	181,000	199,000	218,000	77,000	142,000
Male	815,000	662,000	517,000	60,000	86,000	70,000	25,000	45,000	83,000	32,000	50,000
Female	1,583,000	1,138,000	660,000	65,000	413,000	309,000	156,000	153,000	136,000	44,000	92,000
Health	1,731,000	1,287,000	747,000	65,000	474,000	273,000	166,000	107,000	170,000	59,000	111,000
Male	323,000	256,000	170,000	14,000	71,000	24,000	16,000	8,000	44,000	20,000	24,000
Female	1,407,000	1,032,000	577,000	51,000	404,000	250,000	150,000	100,000	126,000	39,000	87,000
Science/mathematics teacher education	159,000	72,000	54,000	12,000	7,000	80,000	4,000	76,000	7,000	3,000	5,000
Male	74,000	40,000	31,000	5,000	3,000	30,000	S	29,000	4,000	S	4,000
Female	85,000	32,000	22,000	6,000	4,000	50,000	S	47,000	3,000	2,000	S
Technology/technical fields	275,000	235,000	207,000	17,000	11,000	17,000	8,000	9,000	23,000	11,000	13,000
Male	241,000	208,000	184,000	16,000	9,000	12,000	6,000	6,000	21,000	10,000	11,000
Female	34,000	27,000	23,000	1,000	2,000	5,000	S	3,000	2,000	S	2,000
Other S&E-related fields	234,000	207,000	169,000	31,000	7,000	10,000	3,000	7,000	18,000	4,000	14,000
Male	177,000	159,000	131,000	24,000	3,000	5,000	S	S	14,000	S	11,000
Female	57,000	47,000	37,000	7,000	S	S	S	S	4,000	S	2,000
Non-S&E degrees	1,071,000	751,000	599,000	53,000	98,000	199,000	49,000	150,000	121,000	36,000	86,000
Male	604,000	447,000	377,000	30,000	41,000	84,000	24,000	60,000	73,000	24,000	49,000
Female	467,000	303,000	222,000	24,000	58,000	115,000	25,000	90,000	48,000	11,000	37,000
Arts/humanities	219,000	151,000	118,000	14,000	19,000	41,000	16,000	25,000	27,000	8,000	18,000
Male	126,000	93,000	74,000	8,000	10,000	19,000	8,000	11,000	15,000	5,000	9,000
Female	93,000	59,000	44,000	6,000	9,000	22,000	8,000	13,000	12,000	3,000	9,000
Education, except science/mathematics teacher education	182,000	71,000	56,000	5,000	10,000	96,000	8,000	87,000	15,000	3,000	12,000
Male	61,000	22,000	18,000	S	4,000	33,000	2,000	31,000	6,000	S	3,000
Female	121,000	49,000	38,000	4,000	7,000	62,000	6,000	56,000	10,000	S	9,000
Management/administration	411,000	338,000	281,000	20,000	36,000	32,000	13,000	18,000	42,000	13,000	29,000
Male	284,000	237,000	207,000	14,000	17,000	17,000	9,000	8,000	30,000	10,000	20,000
Female	127,000	100,000	75,000	6,000	19,000	15,000	5,000	10,000	12,000	3,000	9,000
Sales/marketing	52,000	46,000	39,000	S	6,000	2,000	S	S	4,000	S	S
Male	28,000	25,000	23,000	S	S	2,000	S	S	S	S	S
Female	24,000	21,000	16,000	S	S	S	S	S	S	S	S
Social services/related	35,000	26,000	19,000	S	5,000	4,000	2,000	S	5,000	S	4,000
Male	22,000	17,000	14,000	S	S	3,000	S	S	2,000	S	S
Female	13,000	9,000	5,000	S	3,000	S	S	S	3,000	S	3,000
Other non-S&E fields	172,000	118,000	85,000	12,000	21,000	25,000	8,000	17,000	29,000	9,000	20,000
Male	83,000	53,000	40,000	5,000	7,000	10,000	3,000	7,000	20,000	6,000	14,000

TABLE 12. Employed U.S. scientists and engineers, by level and field of highest degree, sex, and employment sector: 2006

Level and field of highest degree and sex	Employed scientists and engineers	Business/industry				Educational institution			Government		
		Total	Profit	Self-employed	Nonprofit	Total	4-year college/university	Other	Total	Federal	State/local
Female	89,000	65,000	44,000	7,000	14,000	15,000	5,000	10,000	9,000	3,000	6,000
Master's degrees	5,384,000	3,242,000	2,402,000	323,000	517,000	1,485,000	407,000	1,078,000	656,000	247,000	409,000
Male	2,878,000	1,957,000	1,631,000	172,000	154,000	559,000	177,000	382,000	362,000	158,000	204,000
Female	2,506,000	1,285,000	771,000	151,000	363,000	926,000	229,000	697,000	294,000	89,000	205,000
S&E fields	2,022,000	1,321,000	1,065,000	119,000	136,000	426,000	195,000	231,000	275,000	123,000	152,000
Male	1,255,000	901,000	788,000	65,000	49,000	184,000	101,000	83,000	170,000	84,000	86,000
Female	767,000	419,000	277,000	55,000	87,000	242,000	94,000	149,000	105,000	39,000	66,000
Sciences	1,447,000	850,000	627,000	99,000	124,000	383,000	161,000	222,000	214,000	91,000	123,000
Male	765,000	493,000	405,000	48,000	39,000	152,000	75,000	77,000	120,000	57,000	63,000
Female	682,000	357,000	222,000	51,000	85,000	231,000	86,000	145,000	94,000	34,000	60,000
Biological/agricultural/environmental life sciences	210,000	111,000	74,000	14,000	23,000	62,000	36,000	26,000	37,000	18,000	19,000
Male	106,000	56,000	41,000	10,000	5,000	28,000	16,000	11,000	22,000	10,000	12,000
Female	104,000	55,000	33,000	4,000	18,000	34,000	19,000	15,000	15,000	8,000	7,000
Agricultural/food sciences	29,000	15,000	11,000	2,000	2,000	10,000	8,000	2,000	3,000	2,000	1,000
Male	16,000	7,000	6,000	S	S	7,000	5,000	1,000	2,000	1,000	S
Female	13,000	8,000	5,000	S	2,000	4,000	3,000	1,000	2,000	1,000	S
Biological sciences	148,000	78,000	52,000	10,000	16,000	47,000	25,000	22,000	23,000	9,000	14,000
Male	70,000	37,000	27,000	8,000	3,000	19,000	9,000	10,000	14,000	6,000	8,000
Female	78,000	41,000	25,000	2,000	13,000	28,000	16,000	12,000	9,000	4,000	6,000
Environmental life sciences	33,000	17,000	11,000	2,000	4,000	5,000	3,000	2,000	11,000	7,000	4,000
Male	20,000	11,000	8,000	S	2,000	2,000	2,000	S	7,000	3,000	4,000
Female	13,000	6,000	3,000	S	2,000	3,000	1,000	2,000	4,000	4,000	*
Computer/mathematical sciences	411,000	313,000	284,000	15,000	14,000	68,000	39,000	29,000	30,000	16,000	14,000
Male	279,000	224,000	207,000	8,000	9,000	35,000	23,000	13,000	20,000	12,000	8,000
Female	132,000	90,000	77,000	7,000	6,000	33,000	16,000	17,000	10,000	4,000	6,000
Computer/information sciences	309,000	254,000	232,000	11,000	11,000	34,000	22,000	12,000	22,000	12,000	10,000
Male	217,000	185,000	171,000	7,000	7,000	18,000	14,000	4,000	15,000	9,000	5,000
Female	92,000	69,000	61,000	5,000	4,000	16,000	9,000	7,000	7,000	2,000	5,000
Mathematical sciences	102,000	60,000	52,000	4,000	4,000	34,000	16,000	18,000	8,000	5,000	4,000
Male	61,000	39,000	36,000	1,000	2,000	17,000	9,000	8,000	5,000	3,000	3,000
Female	40,000	21,000	16,000	3,000	2,000	17,000	7,000	9,000	3,000	2,000	1,000
Physical/related sciences	132,000	80,000	68,000	9,000	3,000	36,000	16,000	20,000	16,000	9,000	7,000
Male	95,000	58,000	51,000	6,000	1,000	24,000	11,000	13,000	13,000	7,000	5,000
Female	37,000	21,000	17,000	2,000	2,000	12,000	6,000	7,000	3,000	1,000	2,000
Chemistry, except biochemistry	43,000	27,000	25,000	2,000	1,000	12,000	5,000	8,000	3,000	1,000	2,000

TABLE 12. Employed U.S. scientists and engineers, by level and field of highest degree, sex, and employment sector: 2006

Level and field of highest degree and sex	Employed scientists and engineers	Educational institution									
		Business/industry				4-year college/university			Government		
		Total	Profit	Self-employed	Nonprofit	Total	Other	Total	Federal	State/local	
Male	26,000	17,000	16,000	S	S	6,000	2,000	4,000	2,000	1,000	1,000
Female	17,000	10,000	8,000	S	S	6,000	3,000	3,000	1,000	S	1,000
Earth/atmospheric/ocean sciences	50,000	29,000	22,000	5,000	1,000	11,000	4,000	7,000	11,000	6,000	5,000
Male	38,000	21,000	17,000	4,000	S	8,000	3,000	5,000	9,000	5,000	4,000
Female	12,000	8,000	6,000	S	S	3,000	1,000	2,000	2,000	1,000	1,000
Physics/astronomy	34,000	21,000	19,000	S	1,000	11,000	7,000	4,000	1,000	1,000	S
Male	29,000	19,000	17,000	S	S	9,000	6,000	3,000	1,000	1,000	S
Female	5,000	2,000	2,000	S	*	2,000	1,000	1,000	*	S	S
Other physical sciences	4,000	3,000	2,000	S	S	1,000	*	1,000	S	S	S
Male	2,000	1,000	S	S	S	S	S	S	S	S	S
Female	2,000	1,000	S	S	S	1,000	S	1,000	S	S	S
Social/related sciences	694,000	346,000	200,000	61,000	84,000	218,000	70,000	147,000	130,000	47,000	83,000
Male	285,000	155,000	106,000	24,000	25,000	65,000	25,000	40,000	65,000	27,000	38,000
Female	409,000	191,000	94,000	37,000	60,000	152,000	45,000	107,000	66,000	20,000	46,000
Economics	67,000	52,000	40,000	6,000	6,000	8,000	4,000	5,000	7,000	3,000	3,000
Male	45,000	37,000	29,000	5,000	3,000	5,000	3,000	2,000	4,000	2,000	1,000
Female	22,000	16,000	11,000	S	3,000	4,000	1,000	S	3,000	1,000	2,000
Political/related sciences	110,000	63,000	46,000	8,000	9,000	16,000	8,000	8,000	32,000	18,000	14,000
Male	65,000	34,000	28,000	3,000	3,000	8,000	3,000	5,000	22,000	15,000	7,000
Female	46,000	29,000	18,000	5,000	6,000	7,000	5,000	3,000	10,000	3,000	7,000
Psychology	379,000	177,000	84,000	38,000	55,000	141,000	33,000	107,000	62,000	15,000	46,000
Male	112,000	57,000	32,000	10,000	14,000	32,000	11,000	21,000	23,000	4,000	19,000
Female	268,000	120,000	51,000	28,000	41,000	108,000	22,000	86,000	39,000	11,000	28,000
Sociology/anthropology	56,000	24,000	12,000	5,000	6,000	18,000	11,000	7,000	14,000	4,000	10,000
Male	26,000	10,000	6,000	3,000	2,000	7,000	4,000	4,000	8,000	2,000	6,000
Female	31,000	13,000	7,000	2,000	5,000	11,000	7,000	4,000	6,000	2,000	4,000
Other social sciences	81,000	30,000	18,000	4,000	8,000	35,000	14,000	20,000	16,000	6,000	10,000
Male	38,000	17,000	11,000	2,000	3,000	12,000	4,000	8,000	9,000	4,000	5,000
Female	43,000	13,000	7,000	1,000	5,000	22,000	10,000	12,000	8,000	3,000	5,000
Engineering	575,000	470,000	438,000	20,000	12,000	43,000	34,000	9,000	62,000	32,000	29,000
Male	490,000	408,000	382,000	16,000	10,000	32,000	27,000	6,000	50,000	27,000	23,000
Female	85,000	62,000	56,000	4,000	2,000	11,000	7,000	4,000	12,000	5,000	6,000
Aerospace/related engineering	18,000	13,000	12,000	S	S	1,000	1,000	S	3,000	3,000	S
Male	17,000	12,000	12,000	S	S	1,000	1,000	S	3,000	3,000	S
Female	1,000	1,000	1,000	S	S	*	*	S	*	*	S

TABLE 12. Employed U.S. scientists and engineers, by level and field of highest degree, sex, and employment sector: 2006

Level and field of highest degree and sex	Employed scientists and engineers	Educational institution									
		Business/industry				4-year college/university			Government		
		Total	Profit	Self-employed	Nonprofit	Total	Other	Total	Federal	State/local	
Chemical engineering	27,000	23,000	21,000	S	1,000	2,000	1,000	1,000	2,000	1,000	2,000
Male	21,000	20,000	18,000	S	S	1,000	1,000	S	1,000	S	S
Female	6,000	3,000	3,000	S	S	1,000	*	S	2,000	S	1,000
Civil/architectural engineering	90,000	69,000	60,000	7,000	2,000	4,000	3,000	2,000	17,000	3,000	14,000
Male	76,000	60,000	53,000	5,000	2,000	3,000	2,000	1,000	13,000	2,000	11,000
Female	14,000	9,000	7,000	S	S	2,000	1,000	S	4,000	1,000	3,000
Electrical/computer engineering	210,000	186,000	176,000	6,000	4,000	13,000	11,000	2,000	11,000	9,000	2,000
Male	180,000	160,000	152,000	5,000	3,000	11,000	9,000	2,000	10,000	8,000	2,000
Female	30,000	26,000	24,000	S	1,000	2,000	2,000	S	2,000	1,000	S
Industrial engineering	34,000	28,000	25,000	2,000	1,000	3,000	2,000	S	4,000	3,000	1,000
Male	27,000	23,000	21,000	1,000	S	2,000	2,000	S	2,000	1,000	S
Female	7,000	5,000	4,000	S	S	*	*	S	1,000	1,000	S
Mechanical engineering	84,000	70,000	67,000	1,000	2,000	7,000	6,000	1,000	7,000	5,000	2,000
Male	77,000	65,000	62,000	1,000	1,000	6,000	5,000	S	7,000	5,000	2,000
Female	7,000	6,000	5,000	S	S	1,000	1,000	S	S	S	S
Other engineering	112,000	82,000	76,000	3,000	2,000	13,000	10,000	3,000	18,000	9,000	9,000
Male	93,000	69,000	65,000	3,000	1,000	9,000	7,000	2,000	15,000	7,000	8,000
Female	20,000	13,000	12,000	S	S	4,000	3,000	S	3,000	2,000	1,000
S&E-related fields	1,012,000	565,000	334,000	65,000	167,000	328,000	86,000	242,000	119,000	38,000	82,000
Male	314,000	190,000	135,000	27,000	28,000	83,000	21,000	62,000	41,000	10,000	31,000
Female	699,000	374,000	199,000	37,000	138,000	245,000	65,000	181,000	79,000	28,000	51,000
Health	704,000	436,000	235,000	42,000	159,000	183,000	72,000	111,000	86,000	32,000	54,000
Male	141,000	97,000	62,000	9,000	25,000	23,000	14,000	8,000	21,000	6,000	16,000
Female	564,000	339,000	173,000	33,000	133,000	160,000	57,000	103,000	65,000	26,000	39,000
Science/mathematics teacher education	168,000	26,000	15,000	10,000	2,000	132,000	8,000	124,000	10,000	S	8,000
Male	69,000	12,000	6,000	6,000	S	53,000	4,000	49,000	5,000	S	3,000
Female	99,000	15,000	9,000	S	S	79,000	4,000	76,000	5,000	S	5,000
Technology/technical fields	50,000	39,000	35,000	S	S	6,000	3,000	4,000	4,000	3,000	1,000
Male	40,000	33,000	29,000	S	S	4,000	1,000	3,000	3,000	S	1,000
Female	10,000	6,000	6,000	S	S	2,000	S	S	S	S	S
Other S&E-related fields	90,000	64,000	49,000	11,000	4,000	7,000	4,000	S	19,000	2,000	18,000
Male	64,000	49,000	38,000	10,000	S	3,000	1,000	S	12,000	S	11,000
Female	26,000	15,000	11,000	S	3,000	4,000	2,000	S	7,000	S	7,000
Non-S&E fields	2,350,000	1,357,000	1,003,000	140,000	214,000	731,000	126,000	605,000	262,000	86,000	175,000
Male	1,310,000	866,000	708,000	81,000	77,000	292,000	55,000	237,000	151,000	65,000	87,000

TABLE 12. Employed U.S. scientists and engineers, by level and field of highest degree, sex, and employment sector: 2006

Level and field of highest degree and sex	Employed scientists and engineers	Business/industry				Educational institution			Government		
		Total	Profit	Self-employed	Nonprofit	Total	4-year college/university	Other	Total	Federal	State/local
Female	1,040,000	491,000	295,000	59,000	137,000	439,000	71,000	368,000	110,000	22,000	88,000
Arts/humanities	92,000	48,000	32,000	10,000	5,000	36,000	10,000	26,000	7,000	1,000	6,000
Male	41,000	22,000	16,000	3,000	4,000	18,000	4,000	14,000	2,000	S	S
Female	50,000	25,000	17,000	8,000	S	19,000	6,000	13,000	6,000	S	6,000
Education, except science/mathematics teacher education	681,000	129,000	66,000	27,000	36,000	521,000	37,000	484,000	32,000	7,000	25,000
Male	263,000	55,000	34,000	13,000	8,000	191,000	11,000	181,000	17,000	5,000	12,000
Female	418,000	74,000	32,000	14,000	27,000	330,000	26,000	304,000	15,000	2,000	13,000
Management/administration	962,000	805,000	697,000	59,000	50,000	68,000	33,000	35,000	88,000	44,000	44,000
Male	704,000	603,000	537,000	44,000	21,000	38,000	17,000	21,000	63,000	33,000	31,000
Female	258,000	202,000	159,000	15,000	28,000	30,000	17,000	14,000	25,000	11,000	14,000
Sales/marketing	92,000	82,000	72,000	4,000	5,000	7,000	3,000	4,000	4,000	S	3,000
Male	65,000	58,000	54,000	2,000	S	4,000	S	2,000	3,000	S	S
Female	27,000	23,000	18,000	S	S	S	S	S	S	S	S
Social services/related	276,000	178,000	58,000	27,000	93,000	51,000	18,000	32,000	47,000	8,000	39,000
Male	103,000	67,000	24,000	11,000	32,000	20,000	8,000	11,000	17,000	6,000	11,000
Female	172,000	111,000	34,000	16,000	61,000	31,000	10,000	21,000	30,000	2,000	28,000
Other non-S&E fields	248,000	116,000	78,000	12,000	26,000	48,000	24,000	23,000	84,000	26,000	58,000
Male	133,000	62,000	43,000	9,000	10,000	22,000	14,000	8,000	50,000	19,000	31,000
Female	114,000	55,000	34,000	4,000	16,000	26,000	11,000	15,000	34,000	7,000	27,000
Doctorate degrees	883,000	379,000	271,000	52,000	56,000	433,000	377,000	56,000	72,000	47,000	25,000
Male	616,000	283,000	217,000	31,000	36,000	281,000	250,000	31,000	51,000	34,000	17,000
Female	267,000	95,000	54,000	21,000	21,000	152,000	127,000	25,000	21,000	13,000	8,000
S&E fields	699,000	319,000	234,000	43,000	42,000	320,000	295,000	25,000	61,000	41,000	19,000
Male	509,000	246,000	193,000	27,000	26,000	220,000	206,000	14,000	43,000	30,000	13,000
Female	191,000	73,000	41,000	16,000	16,000	100,000	90,000	11,000	17,000	12,000	6,000
Sciences	573,000	237,000	163,000	38,000	37,000	284,000	260,000	23,000	52,000	35,000	16,000
Male	394,000	171,000	127,000	22,000	22,000	188,000	175,000	13,000	36,000	24,000	11,000
Female	179,000	67,000	36,000	16,000	15,000	96,000	86,000	11,000	16,000	11,000	5,000
Biological/agricultural/environmental life sciences	195,000	71,000	52,000	7,000	12,000	103,000	97,000	6,000	20,000	16,000	4,000
Male	132,000	50,000	38,000	5,000	7,000	68,000	65,000	4,000	14,000	11,000	3,000
Female	63,000	21,000	14,000	2,000	5,000	35,000	33,000	2,000	7,000	5,000	1,000
Agricultural/food sciences	19,000	8,000	6,000	1,000	1,000	9,000	8,000	1,000	2,000	2,000	*
Male	15,000	7,000	5,000	1,000	1,000	7,000	6,000	1,000	2,000	1,000	*
Female	4,000	1,000	1,000	*	S	2,000	2,000	*	*	*	S
Biological sciences	169,000	61,000	45,000	5,000	11,000	92,000	87,000	5,000	16,000	13,000	3,000

TABLE 12. Employed U.S. scientists and engineers, by level and field of highest degree, sex, and employment sector: 2006

Level and field of highest degree and sex	Employed scientists and engineers	Employment sector									
		Business/industry				Educational institution			Government		
		Total	Profit	Self-employed	Nonprofit	Total	4-year college/university	Other	Total	Federal	State/local
Male	112,000	41,000	32,000	4,000	6,000	59,000	57,000	3,000	11,000	9,000	2,000
Female	58,000	20,000	13,000	2,000	5,000	32,000	30,000	2,000	6,000	5,000	1,000
Environmental life sciences	6,000	2,000	1,000	*	*	3,000	3,000	*	2,000	2,000	*
Male	5,000	1,000	1,000	*	*	2,000	2,000	S	2,000	1,000	*
Female	2,000	*	*	S	*	1,000	1,000	S	*	*	S
Computer/mathematical sciences	52,000	21,000	18,000	1,000	2,000	28,000	27,000	1,000	2,000	2,000	1,000
Male	43,000	19,000	16,000	1,000	1,000	23,000	21,000	1,000	2,000	1,000	1,000
Female	9,000	3,000	2,000	*	*	6,000	5,000	*	*	*	S
Computer/information sciences	19,000	11,000	10,000	*	*	8,000	8,000	*	1,000	*	*
Male	16,000	10,000	9,000	*	*	6,000	6,000	*	*	*	*
Female	3,000	1,000	1,000	S	*	2,000	2,000	S	*	S	S
Mathematical sciences	33,000	11,000	9,000	1,000	1,000	20,000	19,000	1,000	2,000	1,000	*
Male	27,000	9,000	8,000	1,000	1,000	16,000	15,000	1,000	1,000	1,000	*
Female	6,000	2,000	1,000	*	*	4,000	3,000	*	*	*	S
Physical/related sciences	137,000	73,000	61,000	5,000	8,000	52,000	48,000	5,000	12,000	8,000	4,000
Male	115,000	63,000	52,000	4,000	6,000	42,000	39,000	3,000	10,000	7,000	3,000
Female	22,000	10,000	9,000	1,000	1,000	10,000	9,000	1,000	2,000	1,000	1,000
Chemistry, except biochemistry	71,000	44,000	39,000	3,000	3,000	23,000	20,000	3,000	4,000	3,000	1,000
Male	57,000	36,000	32,000	2,000	2,000	17,000	16,000	2,000	3,000	2,000	1,000
Female	13,000	8,000	7,000	*	1,000	5,000	4,000	1,000	1,000	1,000	*
Earth/atmospheric/ocean sciences	18,000	5,000	3,000	1,000	1,000	9,000	9,000	1,000	3,000	2,000	1,000
Male	14,000	4,000	3,000	1,000	1,000	7,000	7,000	*	3,000	2,000	1,000
Female	3,000	1,000	1,000	S	*	2,000	2,000	*	*	*	*
Physics/astronomy	47,000	23,000	18,000	2,000	4,000	19,000	18,000	1,000	4,000	3,000	1,000
Male	42,000	21,000	16,000	1,000	3,000	16,000	15,000	1,000	4,000	3,000	1,000
Female	5,000	2,000	1,000	S	*	3,000	2,000	*	*	*	*
Other physical sciences	3,000	1,000	1,000	S	*	1,000	1,000	S	*	*	S
Male	2,000	1,000	1,000	S	S	*	*	S	*	*	S
Female	1,000	*	S	S	S	1,000	*	S	*	S	S
Social/related sciences	188,000	71,000	31,000	25,000	15,000	100,000	89,000	11,000	17,000	9,000	8,000
Male	104,000	39,000	20,000	12,000	7,000	55,000	50,000	5,000	10,000	5,000	4,000
Female	85,000	32,000	11,000	13,000	8,000	45,000	39,000	7,000	7,000	4,000	3,000
Economics	23,000	7,000	5,000	1,000	1,000	13,000	12,000	1,000	3,000	3,000	*
Male	18,000	6,000	4,000	1,000	1,000	11,000	10,000	*	2,000	2,000	*
Female	5,000	1,000	1,000	*	*	2,000	2,000	*	1,000	1,000	*

TABLE 12. Employed U.S. scientists and engineers, by level and field of highest degree, sex, and employment sector: 2006

Level and field of highest degree and sex	Employed scientists and engineers	Business/industry				Educational institution			Government		
		Total	Profit	Self-employed	Nonprofit	Total	4-year college/university	Other	Total	Federal	State/local
Political/related sciences	19,000	5,000	2,000	1,000	1,000	13,000	12,000	1,000	2,000	1,000	1,000
Male	14,000	4,000	2,000	1,000	1,000	9,000	9,000	1,000	1,000	1,000	1,000
Female	5,000	1,000	*	*	*	4,000	3,000	*	*	*	*
Psychology	102,000	50,000	19,000	20,000	10,000	43,000	36,000	7,000	9,000	4,000	5,000
Male	48,000	24,000	11,000	8,000	5,000	19,000	16,000	3,000	5,000	2,000	3,000
Female	55,000	26,000	8,000	12,000	6,000	24,000	20,000	5,000	4,000	2,000	2,000
Sociology/anthropology	27,000	5,000	2,000	1,000	2,000	19,000	18,000	1,000	2,000	1,000	1,000
Male	14,000	3,000	1,000	1,000	1,000	10,000	9,000	1,000	1,000	1,000	1,000
Female	13,000	3,000	1,000	1,000	1,000	9,000	9,000	1,000	1,000	1,000	*
Other social sciences	17,000	5,000	3,000	1,000	1,000	12,000	10,000	1,000	1,000	1,000	1,000
Male	10,000	3,000	2,000	1,000	*	6,000	6,000	*	1,000	*	*
Female	7,000	1,000	1,000	*	*	5,000	5,000	1,000	1,000	*	*
Engineering	127,000	82,000	71,000	5,000	5,000	36,000	35,000	1,000	9,000	6,000	3,000
Male	115,000	75,000	66,000	5,000	4,000	32,000	31,000	1,000	8,000	5,000	2,000
Female	12,000	6,000	6,000	*	1,000	4,000	4,000	*	1,000	1,000	1,000
Aerospace/related engineering	6,000	4,000	3,000	1,000	*	2,000	2,000	S	1,000	1,000	S
Male	6,000	3,000	3,000	1,000	*	2,000	2,000	S	1,000	1,000	S
Female	*	*	S	S	S	*	*	S	S	S	S
Chemical engineering	17,000	13,000	11,000	1,000	1,000	4,000	3,000	*	1,000	1,000	*
Male	16,000	12,000	10,000	1,000	1,000	3,000	3,000	*	1,000	*	*
Female	2,000	1,000	1,000	S	S	*	*	S	*	S	S
Civil/architectural engineering	11,000	6,000	5,000	*	*	4,000	4,000	S	2,000	1,000	1,000
Male	10,000	5,000	5,000	*	*	3,000	3,000	S	1,000	1,000	1,000
Female	1,000	*	*	S	S	*	*	S	*	S	*
Electrical/computer engineering	37,000	25,000	22,000	1,000	1,000	11,000	10,000	*	2,000	1,000	*
Male	34,000	23,000	21,000	1,000	1,000	9,000	9,000	*	2,000	1,000	*
Female	3,000	2,000	2,000	S	*	1,000	1,000	S	*	S	S
Industrial engineering	3,000	2,000	1,000	S	S	2,000	2,000	S	*	*	S
Male	3,000	2,000	1,000	S	S	1,000	1,000	S	S	S	S
Female	1,000	S	S	S	S	*	*	S	S	S	S
Mechanical engineering	17,000	11,000	10,000	1,000	*	5,000	4,000	*	1,000	1,000	*
Male	16,000	11,000	10,000	1,000	*	4,000	4,000	*	1,000	1,000	S
Female	1,000	*	*	S	S	*	*	S	S	S	S
Other engineering	35,000	22,000	19,000	1,000	1,000	10,000	10,000	*	3,000	2,000	1,000
Male	31,000	19,000	17,000	1,000	1,000	9,000	9,000	*	3,000	2,000	1,000

TABLE 12. Employed U.S. scientists and engineers, by level and field of highest degree, sex, and employment sector: 2006

Level and field of highest degree and sex	Employed scientists and engineers	Business/industry				Educational institution			Government		
		Total	Profit	Self-employed	Nonprofit	Total	4-year college/university	Other	Total	Federal	State/local
Female	4,000	2,000	2,000	S	*	1,000	1,000	S	1,000	*	*
S&E-related fields	57,000	22,000	15,000	2,000	5,000	31,000	27,000	4,000	4,000	2,000	2,000
Male	29,000	13,000	10,000	1,000	2,000	14,000	12,000	1,000	2,000	1,000	1,000
Female	28,000	9,000	5,000	1,000	3,000	17,000	15,000	2,000	2,000	1,000	1,000
Health	41,000	17,000	11,000	2,000	4,000	20,000	19,000	1,000	4,000	2,000	1,000
Male	19,000	8,000	6,000	1,000	1,000	8,000	8,000	1,000	2,000	1,000	1,000
Female	23,000	9,000	5,000	1,000	3,000	12,000	11,000	1,000	2,000	1,000	1,000
Science/mathematics teacher education	8,000	S	S	S	S	7,000	5,000	2,000	S	S	S
Male	4,000	S	S	S	S	3,000	3,000	S	S	S	S
Female	4,000	S	S	S	S	4,000	2,000	S	S	S	S
Technology/technical fields	3,000	2,000	2,000	S	S	1,000	1,000	S	S	S	S
Male	3,000	2,000	2,000	S	S	1,000	1,000	S	S	S	S
Female	S	S	S	S	S	S	S	S	S	S	S
Other S&E-related fields	4,000	S	S	S	S	2,000	1,000	S	S	S	S
Male	3,000	S	S	S	S	S	S	S	S	S	S
Female	1,000	S	S	S	S	1,000	S	S	S	S	S
Non-S&E fields	127,000	38,000	21,000	7,000	10,000	82,000	55,000	27,000	7,000	3,000	4,000
Male	78,000	24,000	14,000	3,000	8,000	48,000	32,000	16,000	6,000	3,000	3,000
Female	49,000	14,000	7,000	4,000	2,000	34,000	23,000	11,000	1,000	S	S
Arts/humanities	18,000	4,000	S	S	S	12,000	11,000	1,000	S	S	S
Male	10,000	2,000	S	S	S	7,000	6,000	S	S	S	S
Female	8,000	S	S	S	S	5,000	5,000	S	S	S	S
Education, except science/mathematics teacher education	57,000	10,000	4,000	3,000	3,000	45,000	23,000	22,000	3,000	S	S
Male	30,000	5,000	S	S	2,000	23,000	12,000	11,000	S	S	S
Female	27,000	4,000	2,000	2,000	S	22,000	12,000	10,000	S	S	S
Management/administration	15,000	6,000	5,000	S	S	8,000	8,000	S	S	S	S
Male	12,000	5,000	4,000	S	S	7,000	6,000	S	S	S	S
Female	3,000	S	S	S	S	1,000	1,000	S	S	S	S
Sales/marketing	2,000	S	S	S	S	1,000	1,000	S	S	S	S
Male	1,000	S	S	S	S	1,000	1,000	S	S	S	S
Female	S	S	S	S	S	S	S	S	S	S	S
Social services/related	19,000	9,000	3,000	S	4,000	9,000	6,000	3,000	S	S	S
Male	15,000	8,000	3,000	S	4,000	7,000	4,000	3,000	S	S	S
Female	4,000	2,000	S	S	S	2,000	2,000	S	S	S	S

TABLE 12. Employed U.S. scientists and engineers, by level and field of highest degree, sex, and employment sector: 2006

Level and field of highest degree and sex	Employed scientists and engineers	Business/industry				Educational institution			Government		
		Total	Profit	Self-employed	Nonprofit	Total	4-year college/university	Other	Total	Federal	State/local
Other non-S&E fields	17,000	9,000	7,000	S	S	6,000	5,000	S	1,000	S	S
Male	10,000	5,000	3,000	S	S	3,000	3,000	S	S	S	S
Female	7,000	4,000	4,000	S	S	3,000	2,000	S	S	S	S

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

S&E = science and engineering.

^a 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. Four-year college/university includes medical schools and university-affiliated research institutes. Other educational institution includes 2-year colleges, precollege institutions, and other educational institutions. 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.