

TABLE 14. Employed U.S. scientists and engineers, by level and field of highest degree, sex, and race/ethnicity: 2006

Level and field of highest degree	Employed scientists and engineers	Race/ethnicity ^a							
		Sex		American Indian/Alaska Native	Asian	Black	Hispanic	White	Other
		Male	Female						
All levels and fields ^b	18,927,000	10,683,000	8,244,000	81,000	1,931,000	1,074,000	1,027,000	14,472,000	342,000
S&E fields	10,156,000	6,357,000	3,799,000	41,000	1,231,000	540,000	578,000	7,561,000	205,000
Sciences	7,719,000	4,226,000	3,493,000	36,000	788,000	463,000	440,000	5,833,000	159,000
Biological/agricultural/environmental life sciences	1,555,000	838,000	717,000	8,000	154,000	65,000	87,000	1,215,000	26,000
Agricultural sciences	267,000	166,000	101,000	1,000	16,000	6,000	10,000	227,000	6,000
Biological sciences	1,125,000	563,000	561,000	5,000	132,000	57,000	72,000	840,000	18,000
Environmental life sciences	164,000	109,000	55,000	2,000	6,000	2,000	5,000	147,000	2,000
Computer/mathematical sciences	1,586,000	1,086,000	499,000	8,000	316,000	96,000	71,000	1,066,000	29,000
Computer/information sciences	1,103,000	790,000	313,000	8,000	258,000	73,000	57,000	684,000	23,000
Mathematics/statistics	483,000	296,000	187,000	*	58,000	23,000	13,000	382,000	6,000
Physical/related sciences	688,000	505,000	183,000	2,000	91,000	19,000	33,000	533,000	9,000
Chemistry, except biochemistry	319,000	213,000	106,000	1,000	53,000	12,000	17,000	231,000	5,000
Earth/atmospheric/ocean sciences	173,000	136,000	37,000	1,000	7,000	1,000	6,000	156,000	2,000
Physics/astronomy	154,000	131,000	24,000	*	29,000	3,000	6,000	114,000	1,000
Other physical sciences	41,000	25,000	16,000	S	2,000	3,000	4,000	32,000	1,000
Social/related sciences	3,890,000	1,796,000	2,093,000	17,000	226,000	283,000	249,000	3,020,000	94,000
Economics	594,000	430,000	164,000	S	83,000	22,000	30,000	449,000	10,000
Political/related sciences	691,000	418,000	273,000	3,000	39,000	55,000	39,000	537,000	18,000
Psychology	1,422,000	448,000	974,000	5,000	54,000	105,000	99,000	1,125,000	34,000
Sociology/anthropology	759,000	296,000	463,000	5,000	29,000	71,000	47,000	583,000	24,000
Other social sciences	424,000	205,000	219,000	4,000	22,000	30,000	34,000	325,000	8,000
Engineering	2,437,000	2,132,000	306,000	5,000	443,000	77,000	138,000	1,728,000	46,000
Aerospace/aeronautical/astronautical engineering	83,000	76,000	7,000	S	7,000	2,000	4,000	67,000	3,000
Chemical engineering	165,000	126,000	39,000	1,000	32,000	5,000	8,000	116,000	3,000
Civil/architectural engineering	396,000	345,000	51,000	1,000	51,000	12,000	32,000	290,000	11,000
Electrical/computer engineering	791,000	703,000	87,000	1,000	209,000	32,000	42,000	491,000	16,000
Industrial engineering	146,000	117,000	29,000	S	23,000	6,000	12,000	102,000	2,000
Mechanical engineering	506,000	466,000	40,000	1,000	71,000	12,000	21,000	393,000	7,000
Other engineering	351,000	299,000	52,000	S	51,000	8,000	17,000	270,000	4,000
S&E-related fields	4,587,000	1,931,000	2,656,000	20,000	451,000	258,000	246,000	3,530,000	82,000
Health	3,596,000	1,256,000	2,340,000	16,000	372,000	204,000	192,000	2,741,000	70,000
Science/mathematics teacher education	334,000	147,000	187,000	S	10,000	17,000	16,000	287,000	3,000
Technology/technical fields	328,000	283,000	44,000	S	41,000	20,000	19,000	239,000	6,000
Other S&E-related fields	329,000	245,000	84,000	S	27,000	16,000	19,000	262,000	3,000
Non-S&E fields	4,184,000	2,395,000	1,789,000	20,000	249,000	276,000	203,000	3,380,000	56,000
Arts/humanities	329,000	178,000	151,000	S	21,000	6,000	17,000	281,000	4,000

TABLE 14. Employed U.S. scientists and engineers, by level and field of highest degree, sex, and race/ethnicity: 2006

Level and field of highest degree	Employed scientists and engineers	Race/ethnicity ^a							
		Sex		American Indian/Alaska Native	Asian	Black	Hispanic	White	Other
		Male	Female						
Education, except science/mathematics teacher education	924,000	356,000	568,000	7,000	27,000	73,000	47,000	759,000	11,000
Management/administration	1,387,000	1,000,000	387,000	7,000	132,000	85,000	68,000	1,076,000	19,000
Sales/marketing	146,000	95,000	51,000	S	10,000	7,000	7,000	121,000	S
Social services/related	342,000	150,000	192,000	S	12,000	38,000	18,000	270,000	4,000
Other non-S&E fields	1,056,000	616,000	440,000	5,000	48,000	67,000	46,000	873,000	17,000
Bachelor's degrees	10,886,000	6,007,000	4,878,000	53,000	968,000	648,000	638,000	8,351,000	228,000
S&E fields	7,415,000	4,587,000	2,828,000	34,000	703,000	432,000	466,000	5,619,000	160,000
Sciences	5,680,000	3,061,000	2,619,000	30,000	469,000	372,000	358,000	4,329,000	124,000
Biological/agricultural/environmental life sciences	1,151,000	600,000	551,000	7,000	89,000	52,000	72,000	911,000	19,000
Agricultural sciences	218,000	135,000	84,000	1,000	10,000	3,000	8,000	192,000	4,000
Biological sciences	807,000	382,000	426,000	4,000	75,000	48,000	60,000	606,000	14,000
Environmental life sciences	125,000	84,000	41,000	2,000	3,000	1,000	4,000	113,000	1,000
Computer/mathematical sciences	1,123,000	764,000	359,000	6,000	160,000	77,000	59,000	798,000	22,000
Computer/information sciences	774,000	556,000	218,000	6,000	129,000	59,000	48,000	515,000	16,000
Mathematics/statistics	349,000	208,000	141,000	S	31,000	17,000	11,000	283,000	6,000
Physical/related sciences	419,000	296,000	124,000	2,000	40,000	15,000	26,000	331,000	6,000
Chemistry, except biochemistry	206,000	130,000	76,000	1,000	23,000	9,000	15,000	153,000	3,000
Earth/atmospheric/ocean sciences	105,000	84,000	21,000	S	2,000	1,000	4,000	97,000	1,000
Physics/astronomy	74,000	60,000	14,000	S	13,000	2,000	3,000	54,000	1,000
Other physical sciences	34,000	21,000	13,000	S	2,000	3,000	4,000	26,000	S
Social/related sciences	2,988,000	1,402,000	1,586,000	15,000	180,000	228,000	200,000	2,288,000	77,000
Economics	504,000	367,000	137,000	S	70,000	20,000	26,000	379,000	9,000
Political/related sciences	561,000	339,000	222,000	2,000	29,000	47,000	32,000	435,000	16,000
Psychology	921,000	282,000	639,000	4,000	40,000	75,000	76,000	704,000	23,000
Sociology/anthropology	676,000	256,000	420,000	5,000	25,000	64,000	40,000	520,000	22,000
Other social sciences	326,000	157,000	169,000	4,000	16,000	23,000	26,000	250,000	7,000
Engineering	1,735,000	1,526,000	209,000	5,000	235,000	61,000	108,000	1,291,000	36,000
Aerospace/aeronautical/astronautical engineering	59,000	54,000	6,000	S	3,000	1,000	3,000	49,000	2,000
Chemical engineering	120,000	89,000	32,000	1,000	15,000	4,000	6,000	92,000	3,000
Civil/architectural engineering	295,000	260,000	35,000	1,000	29,000	10,000	26,000	221,000	9,000
Electrical/computer engineering	544,000	490,000	54,000	1,000	114,000	26,000	34,000	355,000	14,000
Industrial engineering	108,000	87,000	21,000	S	11,000	4,000	9,000	82,000	1,000
Mechanical engineering	405,000	373,000	33,000	1,000	45,000	10,000	18,000	326,000	5,000
Other engineering	203,000	175,000	29,000	S	17,000	5,000	12,000	167,000	2,000
S&E-related fields	2,399,000	815,000	1,583,000	12,000	210,000	150,000	131,000	1,843,000	53,000
Health	1,731,000	323,000	1,407,000	9,000	159,000	116,000	89,000	1,311,000	46,000

TABLE 14. Employed U.S. scientists and engineers, by level and field of highest degree, sex, and race/ethnicity: 2006

Level and field of highest degree	Employed scientists and engineers	Race/ethnicity ^a							
		Sex		American Indian/Alaska Native	Asian	Black	Hispanic	White	Other
		Male	Female						
Science/mathematics teacher education	159,000	74,000	85,000	S	5,000	4,000	10,000	138,000	S
Technology/technical fields	275,000	241,000	34,000	S	25,000	17,000	17,000	208,000	5,000
Other S&E-related fields	234,000	177,000	57,000	S	20,000	12,000	15,000	185,000	2,000
Non-S&E fields	1,071,000	604,000	467,000	6,000	55,000	65,000	41,000	890,000	15,000
Arts/humanities	219,000	126,000	93,000	S	10,000	4,000	9,000	194,000	2,000
Education, except science/mathematics teacher education	182,000	61,000	121,000	S	6,000	12,000	6,000	154,000	2,000
Management/administration	411,000	284,000	127,000	S	32,000	27,000	16,000	326,000	7,000
Sales/marketing	52,000	28,000	24,000	S	S	2,000	2,000	46,000	S
Social services/related	35,000	22,000	13,000	S	1,000	5,000	S	28,000	S
Other non-S&E fields	172,000	83,000	89,000	S	5,000	14,000	7,000	142,000	2,000
Master's degrees	5,384,000	2,878,000	2,506,000	20,000	627,000	326,000	254,000	4,078,000	79,000
S&E fields	2,022,000	1,255,000	767,000	5,000	392,000	87,000	90,000	1,411,000	37,000
Sciences	1,447,000	765,000	682,000	5,000	228,000	74,000	64,000	1,048,000	28,000
Biological/agricultural/environmental life sciences	210,000	106,000	104,000	1,000	26,000	7,000	8,000	162,000	5,000
Agricultural sciences	29,000	16,000	13,000	S	3,000	2,000	1,000	21,000	2,000
Biological sciences	148,000	70,000	78,000	*	22,000	4,000	6,000	113,000	2,000
Environmental life sciences	33,000	20,000	13,000	S	2,000	1,000	*	28,000	S
Computer/mathematical sciences	411,000	279,000	132,000	2,000	143,000	18,000	10,000	231,000	7,000
Computer/information sciences	309,000	217,000	92,000	S	122,000	13,000	9,000	157,000	6,000
Mathematics/statistics	102,000	61,000	40,000	S	21,000	5,000	1,000	74,000	*
Physical/related sciences	132,000	95,000	37,000	*	24,000	3,000	4,000	99,000	2,000
Chemistry, except biochemistry	43,000	26,000	17,000	S	14,000	1,000	1,000	27,000	S
Earth/atmospheric/ocean sciences	50,000	38,000	12,000	S	3,000	*	1,000	44,000	1,000
Physics/astronomy	34,000	29,000	5,000	S	7,000	1,000	2,000	24,000	*
Other physical sciences	4,000	2,000	2,000	S	S	1,000	S	4,000	S
Social/related sciences	694,000	285,000	409,000	2,000	36,000	46,000	41,000	556,000	14,000
Economics	67,000	45,000	22,000	S	9,000	2,000	3,000	52,000	S
Political/related sciences	110,000	65,000	46,000	S	9,000	7,000	6,000	86,000	2,000
Psychology	379,000	112,000	268,000	1,000	10,000	25,000	19,000	315,000	9,000
Sociology/anthropology	56,000	26,000	31,000	S	2,000	6,000	6,000	41,000	1,000
Other social sciences	81,000	38,000	43,000	S	4,000	7,000	7,000	61,000	1,000
Engineering	575,000	490,000	85,000	*	164,000	13,000	26,000	362,000	9,000
Aerospace/aeronautical/astronautical engineering	18,000	17,000	1,000	S	2,000	S	1,000	14,000	1,000
Chemical engineering	27,000	21,000	6,000	S	10,000	1,000	1,000	14,000	S
Civil/architectural engineering	90,000	76,000	14,000	S	18,000	2,000	6,000	62,000	2,000
Electrical/computer engineering	210,000	180,000	30,000	S	80,000	5,000	7,000	116,000	2,000

TABLE 14. Employed U.S. scientists and engineers, by level and field of highest degree, sex, and race/ethnicity: 2006

Level and field of highest degree	Employed scientists and engineers	Race/ethnicity ^a							
		Sex		American Indian/Alaska Native	Asian	Black	Hispanic	White	Other
		Male	Female						
Industrial engineering	34,000	27,000	7,000	S	11,000	2,000	3,000	18,000	S
Mechanical engineering	84,000	77,000	7,000	S	20,000	2,000	4,000	58,000	2,000
Other engineering	112,000	93,000	20,000	S	23,000	2,000	5,000	80,000	2,000
S&E-related fields	1,012,000	314,000	699,000	3,000	78,000	62,000	39,000	818,000	13,000
Health	704,000	141,000	564,000	2,000	51,000	42,000	27,000	572,000	9,000
Science/mathematics teacher education	168,000	69,000	99,000	S	5,000	12,000	6,000	142,000	2,000
Technology/technical fields	50,000	40,000	10,000	S	15,000	3,000	2,000	29,000	S
Other S&E-related fields	90,000	64,000	26,000	S	7,000	4,000	4,000	74,000	S
Non-S&E fields	2,350,000	1,310,000	1,040,000	12,000	157,000	177,000	125,000	1,850,000	29,000
Arts/humanities	92,000	41,000	50,000	S	11,000	2,000	6,000	71,000	1,000
Education, except science/mathematics teacher education	681,000	263,000	418,000	4,000	19,000	57,000	36,000	557,000	8,000
Management/administration	962,000	704,000	258,000	5,000	95,000	58,000	51,000	741,000	12,000
Sales/marketing	92,000	65,000	27,000	S	8,000	5,000	5,000	74,000	S
Social services/related	276,000	103,000	172,000	S	9,000	31,000	17,000	215,000	3,000
Other non-S&E fields	248,000	133,000	114,000	S	15,000	25,000	9,000	192,000	4,000
Doctorate degrees	883,000	616,000	267,000	2,000	152,000	30,000	32,000	657,000	10,000
S&E fields	699,000	509,000	191,000	1,000	135,000	19,000	21,000	515,000	8,000
Sciences	573,000	394,000	179,000	1,000	90,000	17,000	18,000	440,000	7,000
Biological/agricultural/environmental life sciences	195,000	132,000	63,000	*	39,000	5,000	7,000	141,000	2,000
Agricultural sciences	19,000	15,000	4,000	S	3,000	1,000	1,000	14,000	*
Biological sciences	169,000	112,000	58,000	*	35,000	4,000	5,000	122,000	2,000
Environmental life sciences	6,000	5,000	2,000	S	1,000	*	*	6,000	S
Computer/mathematical sciences	52,000	43,000	9,000	S	13,000	1,000	1,000	36,000	*
Computer/information sciences	19,000	16,000	3,000	S	6,000	*	*	12,000	*
Mathematics/statistics	33,000	27,000	6,000	S	6,000	1,000	1,000	24,000	*
Physical/related sciences	137,000	115,000	22,000	*	27,000	2,000	3,000	103,000	1,000
Chemistry, except biochemistry	71,000	57,000	13,000	S	16,000	1,000	2,000	51,000	1,000
Earth/atmospheric/ocean sciences	18,000	14,000	3,000	S	2,000	*	*	15,000	*
Physics/astronomy	47,000	42,000	5,000	S	9,000	1,000	1,000	36,000	*
Other physical sciences	3,000	2,000	1,000	S	*	S	*	2,000	S
Social/related sciences	188,000	104,000	85,000	1,000	11,000	9,000	7,000	159,000	2,000
Economics	23,000	18,000	5,000	S	3,000	1,000	1,000	18,000	*
Political/related sciences	19,000	14,000	5,000	*	1,000	1,000	*	16,000	*
Psychology	102,000	48,000	55,000	*	3,000	4,000	4,000	89,000	1,000
Sociology/anthropology	27,000	14,000	13,000	*	1,000	2,000	1,000	22,000	1,000
Other social sciences	17,000	10,000	7,000	*	2,000	1,000	1,000	14,000	*

TABLE 14. Employed U.S. scientists and engineers, by level and field of highest degree, sex, and race/ethnicity: 2006

Level and field of highest degree	Employed scientists and engineers	Race/ethnicity ^a							
		Sex		American Indian/Alaska Native	Asian	Black	Hispanic	White	Other
		Male	Female						
Engineering	127,000	115,000	12,000	S	45,000	3,000	3,000	75,000	1,000
Aerospace/aeronautical/astronautical engineering	6,000	6,000	*	S	1,000	*	*	4,000	S
Chemical engineering	17,000	16,000	2,000	S	6,000	*	1,000	10,000	*
Civil/architectural engineering	11,000	10,000	1,000	S	3,000	*	*	7,000	S
Electrical/computer engineering	37,000	34,000	3,000	S	15,000	1,000	1,000	20,000	*
Industrial engineering	3,000	3,000	1,000	S	1,000	*	*	2,000	S
Mechanical engineering	17,000	16,000	1,000	S	6,000	*	*	10,000	*
Other engineering	35,000	31,000	4,000	S	11,000	1,000	1,000	23,000	*
S&E-related fields	57,000	29,000	28,000	*	10,000	3,000	3,000	39,000	1,000
Health	41,000	19,000	23,000	*	8,000	3,000	3,000	27,000	*
Science/mathematics teacher education	8,000	4,000	4,000	S	S	S	S	7,000	S
Technology/technical fields	3,000	3,000	S	S	2,000	S	S	2,000	S
Other S&E-related fields	4,000	3,000	1,000	S	S	S	S	4,000	S
Non-S&E fields	127,000	78,000	49,000	S	8,000	7,000	7,000	103,000	2,000
Arts/humanities	18,000	10,000	8,000	S	S	S	2,000	15,000	S
Education, except science/mathematics teacher education	57,000	30,000	27,000	S	1,000	4,000	4,000	47,000	1,000
Management/administration	15,000	12,000	3,000	S	5,000	S	S	9,000	S
Sales/marketing	2,000	1,000	S	S	S	S	S	S	S
Social services/related	19,000	15,000	4,000	S	S	2,000	S	16,000	S
Other non-S&E fields	17,000	10,000	7,000	S	S	S	S	14,000	S

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

S&E = science and engineering.

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

^b 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.