

TABLE 6. U.S. scientists and engineers, by level and field of highest degree, sex, ethnicity, and race: 2008

Level and field of highest degree and sex	All scientists and engineers	Hispanic or Latino	Not Hispanic or Latino				
			American Indian or Alaska Native	Asian	Black or African American	White	Other ^a
All degree levels and fields ^b	23,279,000	1,263,000	93,000	2,389,000	1,305,000	17,757,000	472,000
Male	12,561,000	626,000	47,000	1,333,000	530,000	9,785,000	240,000
Female	10,718,000	637,000	46,000	1,056,000	775,000	7,972,000	232,000
S&E fields	12,588,000	722,000	46,000	1,545,000	638,000	9,348,000	289,000
Male	7,593,000	388,000	24,000	944,000	300,000	5,774,000	163,000
Female	4,996,000	334,000	22,000	602,000	338,000	3,574,000	126,000
Sciences	9,668,000	558,000	39,000	1,021,000	554,000	7,264,000	231,000
Male	5,063,000	252,000	19,000	517,000	235,000	3,926,000	115,000
Female	4,605,000	306,000	20,000	505,000	319,000	3,339,000	116,000
Biological/agricultural/environmental life sciences	1,958,000	106,000	8,000	214,000	79,000	1,509,000	43,000
Male	1,019,000	51,000	6,000	93,000	26,000	822,000	22,000
Female	939,000	56,000	2,000	121,000	53,000	686,000	21,000
Agricultural/food sciences	312,000	12,000	S	17,000	7,000	267,000	8,000
Male	198,000	7,000	S	12,000	4,000	168,000	5,000
Female	115,000	5,000	D	6,000	2,000	98,000	S
Biological sciences	1,439,000	89,000	5,000	189,000	69,000	1,057,000	31,000
Male	684,000	40,000	3,000	78,000	20,000	530,000	13,000
Female	755,000	49,000	2,000	111,000	49,000	527,000	17,000
Environmental life sciences	207,000	6,000	1,000	8,000	3,000	185,000	4,000
Male	137,000	4,000	S	3,000	2,000	124,000	3,000
Female	70,000	2,000	S	4,000	1,000	61,000	1,000
Computer/mathematical sciences	1,921,000	84,000	9,000	381,000	108,000	1,304,000	34,000
Male	1,282,000	57,000	7,000	239,000	62,000	893,000	24,000
Female	639,000	27,000	2,000	143,000	47,000	411,000	9,000
Computer/information sciences	1,279,000	68,000	9,000	301,000	77,000	800,000	24,000
Male	900,000	47,000	7,000	197,000	44,000	588,000	17,000
Female	379,000	21,000	S	104,000	34,000	211,000	7,000
Mathematical sciences	642,000	17,000	*	80,000	31,000	505,000	10,000
Male	382,000	10,000	D	41,000	18,000	305,000	7,000
Female	261,000	6,000	D	39,000	13,000	200,000	2,000
Physical/related sciences	846,000	37,000	3,000	114,000	22,000	655,000	15,000
Male	604,000	21,000	2,000	71,000	14,000	487,000	9,000
Female	242,000	15,000	S	43,000	8,000	168,000	6,000
Chemistry, except biochemistry	400,000	20,000	S	69,000	13,000	289,000	7,000
Male	259,000	11,000	*	40,000	7,000	196,000	5,000
Female	141,000	8,000	S	29,000	6,000	94,000	3,000

TABLE 6. U.S. scientists and engineers, by level and field of highest degree, sex, ethnicity, and race: 2008

Level and field of highest degree and sex	All scientists and engineers	Hispanic or Latino	Not Hispanic or Latino				
			American Indian or Alaska Native	Asian	Black or African American	White	Other ^a
Earth/atmospheric/ocean sciences	204,000	7,000	*	8,000	1,000	186,000	3,000
Male	156,000	5,000	*	5,000	1,000	144,000	2,000
Female	48,000	2,000	*	3,000	*	42,000	1,000
Physics/astronomy	188,000	6,000	S	36,000	4,000	139,000	2,000
Male	160,000	5,000	S	25,000	3,000	123,000	2,000
Female	29,000	1,000	D	10,000	S	16,000	*
Other physical sciences	53,000	4,000	D	2,000	4,000	41,000	3,000
Male	29,000	1,000	D	1,000	3,000	24,000	D
Female	24,000	3,000	D	1,000	S	17,000	S
Social/related sciences	4,943,000	331,000	19,000	312,000	345,000	3,796,000	140,000
Male	2,158,000	122,000	5,000	114,000	134,000	1,723,000	60,000
Female	2,785,000	208,000	14,000	198,000	211,000	2,073,000	80,000
Economics	706,000	35,000	1,000	108,000	24,000	524,000	15,000
Male	505,000	24,000	S	50,000	18,000	403,000	10,000
Female	201,000	11,000	D	58,000	6,000	121,000	5,000
Political/related sciences	892,000	52,000	2,000	52,000	63,000	696,000	27,000
Male	520,000	26,000	S	21,000	33,000	424,000	15,000
Female	372,000	26,000	1,000	31,000	30,000	272,000	12,000
Psychology	1,827,000	137,000	7,000	72,000	132,000	1,428,000	51,000
Male	538,000	35,000	S	21,000	37,000	430,000	13,000
Female	1,289,000	102,000	6,000	51,000	95,000	997,000	38,000
Sociology/anthropology	978,000	68,000	6,000	42,000	84,000	743,000	33,000
Male	356,000	25,000	1,000	13,000	32,000	269,000	14,000
Female	622,000	43,000	5,000	30,000	52,000	474,000	19,000
Other social sciences	540,000	38,000	S	38,000	42,000	405,000	14,000
Male	239,000	12,000	S	10,000	13,000	196,000	7,000
Female	301,000	26,000	S	28,000	28,000	209,000	7,000
Engineering	2,921,000	164,000	7,000	524,000	84,000	2,084,000	58,000
Male	2,530,000	136,000	6,000	427,000	65,000	1,849,000	48,000
Female	391,000	28,000	1,000	97,000	19,000	235,000	10,000
Aerospace/related engineering	96,000	5,000	1,000	8,000	2,000	76,000	4,000
Male	87,000	5,000	S	7,000	2,000	69,000	3,000
Female	9,000	*	D	1,000	*	7,000	*
Chemical engineering	207,000	10,000	2,000	39,000	5,000	148,000	3,000
Male	159,000	6,000	S	29,000	3,000	118,000	1,000
Female	48,000	3,000	*	10,000	2,000	30,000	2,000

TABLE 6. U.S. scientists and engineers, by level and field of highest degree, sex, ethnicity, and race: 2008

Level and field of highest degree and sex	All scientists and engineers	Hispanic or Latino	Not Hispanic or Latino					
			American Indian or Alaska Native	Asian	Black or African American	White	Other ^a	
Civil/architectural engineering	457,000	34,000		2,000	59,000	12,000	338,000	12,000
Male	392,000	29,000		1,000	50,000	10,000	292,000	10,000
Female	65,000	5,000		*	10,000	2,000	46,000	2,000
Electrical/computer engineering	936,000	50,000		1,000	246,000	34,000	582,000	23,000
Male	826,000	42,000		1,000	201,000	27,000	535,000	21,000
Female	110,000	8,000		D	46,000	7,000	47,000	2,000
Industrial engineering	183,000	18,000		D	26,000	8,000	129,000	2,000
Male	147,000	14,000		D	20,000	5,000	107,000	1,000
Female	35,000	4,000		D	6,000	3,000	22,000	1,000
Mechanical engineering	605,000	26,000		1,000	77,000	14,000	479,000	9,000
Male	556,000	23,000		1,000	71,000	12,000	442,000	6,000
Female	49,000	2,000		*	6,000	2,000	37,000	2,000
Other engineering	437,000	22,000		*	68,000	9,000	332,000	6,000
Male	362,000	16,000		D	49,000	6,000	286,000	4,000
Female	75,000	6,000		*	19,000	3,000	46,000	1,000
S&E-related fields	5,570,000	291,000		23,000	526,000	316,000	4,310,000	105,000
Male	2,157,000	117,000		8,000	222,000	93,000	1,675,000	42,000
Female	3,413,000	174,000		15,000	304,000	222,000	2,634,000	63,000
Health	4,421,000	233,000		18,000	440,000	255,000	3,385,000	90,000
Male	1,413,000	80,000		5,000	164,000	54,000	1,080,000	31,000
Female	3,008,000	154,000		13,000	275,000	201,000	2,305,000	60,000
Science/mathematics teacher education	426,000	14,000		2,000	13,000	23,000	369,000	5,000
Male	178,000	4,000		D	4,000	9,000	158,000	3,000
Female	248,000	10,000		2,000	9,000	14,000	211,000	S
Technology/technical fields	352,000	19,000		S	42,000	21,000	261,000	6,000
Male	300,000	18,000		D	32,000	16,000	226,000	5,000
Female	52,000	1,000		D	10,000	5,000	35,000	D
Other S&E-related fields	371,000	25,000		D	31,000	17,000	294,000	4,000
Male	265,000	16,000		D	21,000	14,000	211,000	3,000
Female	105,000	9,000		D	10,000	3,000	83,000	D
Non-S&E fields	5,120,000	250,000		24,000	318,000	351,000	4,099,000	78,000
Male	2,811,000	121,000		15,000	168,000	137,000	2,335,000	36,000
Female	2,309,000	129,000		10,000	150,000	214,000	1,764,000	42,000
Arts/humanities	373,000	18,000		D	23,000	9,000	318,000	5,000
Male	192,000	8,000		D	8,000	3,000	170,000	2,000
Female	180,000	10,000		D	14,000	5,000	148,000	3,000

TABLE 6. U.S. scientists and engineers, by level and field of highest degree, sex, ethnicity, and race: 2008

Level and field of highest degree and sex	All scientists and engineers	Hispanic or Latino	Not Hispanic or Latino				
			American Indian or Alaska Native	Asian	Black or African American	White	Other ^a
Education, except science/mathematics teacher education	1,195,000	61,000	7,000	34,000	98,000	979,000	16,000
Male	451,000	17,000	3,000	10,000	26,000	388,000	6,000
Female	744,000	43,000	4,000	24,000	72,000	591,000	9,000
Management/administration	1,648,000	80,000	8,000	172,000	105,000	1,260,000	23,000
Male	1,151,000	54,000	6,000	106,000	54,000	921,000	11,000
Female	497,000	26,000	S	66,000	52,000	339,000	11,000
Sales/marketing	172,000	9,000	D	14,000	8,000	140,000	S
Male	103,000	4,000	D	9,000	6,000	83,000	S
Female	69,000	5,000	D	5,000	2,000	57,000	D
Social services/related	422,000	23,000	1,000	13,000	45,000	333,000	7,000
Male	175,000	9,000	D	7,000	15,000	142,000	S
Female	246,000	14,000	1,000	5,000	30,000	191,000	5,000
Other non-S&E fields	1,311,000	60,000	7,000	63,000	86,000	1,069,000	27,000
Male	738,000	29,000	5,000	28,000	33,000	631,000	13,000
Female	573,000	32,000	2,000	35,000	52,000	438,000	14,000
Bachelor's degrees	13,193,000	771,000	58,000	1,179,000	764,000	10,109,000	313,000
Male	6,947,000	383,000	28,000	607,000	314,000	5,454,000	161,000
Female	6,246,000	388,000	30,000	572,000	450,000	4,655,000	152,000
S&E fields	9,165,000	575,000	36,000	882,000	506,000	6,931,000	234,000
Male	5,439,000	309,000	20,000	508,000	239,000	4,237,000	127,000
Female	3,726,000	266,000	16,000	374,000	268,000	2,694,000	106,000
Sciences	7,116,000	446,000	30,000	617,000	441,000	5,393,000	189,000
Male	3,648,000	200,000	15,000	289,000	189,000	2,864,000	91,000
Female	3,467,000	246,000	15,000	328,000	252,000	2,528,000	98,000
Biological/agricultural/environmental life sciences	1,446,000	87,000	6,000	131,000	65,000	1,124,000	33,000
Male	726,000	41,000	4,000	50,000	18,000	595,000	16,000
Female	721,000	46,000	2,000	81,000	46,000	529,000	17,000
Agricultural/food sciences	254,000	9,000	S	11,000	4,000	222,000	6,000
Male	158,000	6,000	D	8,000	S	138,000	4,000
Female	96,000	3,000	D	4,000	2,000	84,000	S
Biological sciences	1,035,000	73,000	4,000	115,000	59,000	759,000	24,000
Male	461,000	32,000	3,000	42,000	15,000	360,000	10,000
Female	574,000	41,000	1,000	74,000	44,000	399,000	14,000
Environmental life sciences	158,000	5,000	1,000	4,000	2,000	143,000	S
Male	107,000	4,000	D	1,000	2,000	98,000	S
Female	51,000	1,000	D	3,000	*	45,000	*

TABLE 6. U.S. scientists and engineers, by level and field of highest degree, sex, ethnicity, and race: 2008

Level and field of highest degree and sex	All scientists and engineers	Hispanic or Latino	Not Hispanic or Latino				
			American Indian or Alaska Native	Asian	Black or African American	White	Other ^a
Computer/mathematical sciences	1,355,000	70,000	8,000	186,000	85,000	979,000	27,000
Male	895,000	46,000	7,000	116,000	50,000	656,000	20,000
Female	460,000	23,000	D	70,000	36,000	322,000	7,000
Computer/information sciences	887,000	56,000	7,000	142,000	62,000	600,000	19,000
Male	627,000	38,000	7,000	95,000	35,000	438,000	14,000
Female	260,000	18,000	D	47,000	27,000	162,000	5,000
Mathematical sciences	468,000	14,000	D	44,000	23,000	378,000	8,000
Male	268,000	8,000	D	21,000	14,000	218,000	7,000
Female	200,000	6,000	D	23,000	9,000	160,000	2,000
Physical/related sciences	518,000	28,000	2,000	53,000	16,000	409,000	11,000
Male	351,000	15,000	1,000	30,000	9,000	292,000	5,000
Female	166,000	13,000	S	23,000	7,000	117,000	6,000
Chemistry, except biochemistry	258,000	16,000	S	34,000	10,000	192,000	6,000
Male	155,000	9,000	D	18,000	4,000	121,000	3,000
Female	103,000	7,000	D	15,000	6,000	70,000	3,000
Earth/atmospheric/ocean sciences	125,000	5,000	*	2,000	1,000	116,000	2,000
Male	96,000	3,000	D	1,000	1,000	90,000	1,000
Female	28,000	2,000	D	*	*	26,000	*
Physics/astronomy	91,000	3,000	*	16,000	2,000	68,000	1,000
Male	76,000	2,000	D	10,000	1,000	61,000	1,000
Female	15,000	S	D	6,000	S	7,000	*
Other physical sciences	44,000	4,000	D	2,000	S	33,000	S
Male	24,000	1,000	D	*	S	20,000	D
Female	20,000	3,000	D	1,000	*	13,000	D
Social/related sciences	3,797,000	262,000	14,000	247,000	275,000	2,882,000	118,000
Male	1,676,000	98,000	3,000	93,000	112,000	1,321,000	49,000
Female	2,121,000	163,000	11,000	154,000	163,000	1,561,000	68,000
Economics	597,000	30,000	1,000	90,000	20,000	443,000	14,000
Male	428,000	20,000	D	41,000	15,000	343,000	9,000
Female	170,000	10,000	D	50,000	5,000	100,000	5,000
Political/related sciences	721,000	44,000	1,000	40,000	52,000	560,000	24,000
Male	419,000	23,000	D	17,000	28,000	338,000	13,000
Female	302,000	21,000	1,000	24,000	24,000	222,000	11,000
Psychology	1,189,000	99,000	4,000	53,000	94,000	902,000	37,000
Male	340,000	25,000	D	18,000	28,000	261,000	8,000
Female	848,000	74,000	3,000	35,000	65,000	641,000	30,000

TABLE 6. U.S. scientists and engineers, by level and field of highest degree, sex, ethnicity, and race: 2008

Level and field of highest degree and sex	All scientists and engineers	Hispanic or Latino	Not Hispanic or Latino				
			American Indian or Alaska Native	Asian	Black or African American	White	Other ^a
Sociology/anthropology	873,000	59,000	6,000	37,000	75,000	665,000	31,000
Male	305,000	21,000	D	11,000	29,000	230,000	13,000
Female	568,000	38,000	5,000	26,000	46,000	435,000	18,000
Other social sciences	417,000	30,000	S	27,000	34,000	311,000	11,000
Male	184,000	9,000	D	7,000	12,000	150,000	6,000
Female	232,000	21,000	D	20,000	22,000	162,000	5,000
Engineering	2,049,000	129,000	6,000	265,000	65,000	1,538,000	45,000
Male	1,791,000	109,000	5,000	219,000	49,000	1,373,000	37,000
Female	258,000	21,000	1,000	46,000	16,000	166,000	9,000
Aerospace/related engineering	65,000	4,000	S	3,000	2,000	53,000	2,000
Male	59,000	4,000	D	3,000	2,000	48,000	2,000
Female	6,000	*	D	*	*	5,000	*
Chemical engineering	154,000	7,000	2,000	20,000	3,000	118,000	3,000
Male	115,000	5,000	S	13,000	2,000	92,000	1,000
Female	39,000	2,000	D	7,000	1,000	26,000	2,000
Civil/architectural engineering	336,000	28,000	1,000	31,000	10,000	256,000	9,000
Male	291,000	24,000	1,000	27,000	8,000	224,000	8,000
Female	44,000	4,000	D	5,000	2,000	32,000	1,000
Electrical/computer engineering	629,000	40,000	1,000	128,000	28,000	414,000	19,000
Male	566,000	34,000	S	109,000	22,000	382,000	17,000
Female	63,000	6,000	D	19,000	6,000	31,000	2,000
Industrial engineering	135,000	14,000	D	13,000	6,000	101,000	2,000
Male	109,000	11,000	D	8,000	3,000	86,000	1,000
Female	26,000	3,000	D	5,000	3,000	15,000	1,000
Mechanical engineering	477,000	21,000	1,000	45,000	11,000	391,000	7,000
Male	439,000	20,000	1,000	42,000	10,000	362,000	5,000
Female	37,000	2,000	D	2,000	1,000	29,000	2,000
Other engineering	253,000	15,000	D	25,000	5,000	205,000	3,000
Male	211,000	11,000	D	17,000	3,000	179,000	2,000
Female	42,000	4,000	D	8,000	2,000	27,000	1,000
S&E-related fields	2,911,000	156,000	15,000	237,000	183,000	2,259,000	62,000
Male	892,000	50,000	5,000	73,000	49,000	694,000	22,000
Female	2,019,000	106,000	10,000	164,000	134,000	1,565,000	40,000
Health	2,160,000	111,000	11,000	183,000	145,000	1,657,000	54,000
Male	364,000	19,000	2,000	37,000	20,000	271,000	15,000
Female	1,796,000	92,000	9,000	145,000	126,000	1,386,000	39,000

TABLE 6. U.S. scientists and engineers, by level and field of highest degree, sex, ethnicity, and race: 2008

Level and field of highest degree and sex	All scientists and engineers	Hispanic or Latino	Not Hispanic or Latino				
			American Indian or Alaska Native	Asian	Black or African American	White	Other ^a
Science/mathematics teacher education	199,000	9,000	D	6,000	8,000	175,000	D
Male	88,000	3,000	D	2,000	4,000	78,000	D
Female	111,000	6,000	D	4,000	3,000	96,000	D
Technology/technical fields	291,000	17,000	S	25,000	17,000	224,000	5,000
Male	251,000	16,000	D	19,000	14,000	195,000	5,000
Female	40,000	D	D	6,000	3,000	29,000	D
Other S&E-related fields	261,000	19,000	D	23,000	12,000	204,000	2,000
Male	190,000	12,000	D	15,000	11,000	149,000	2,000
Female	71,000	7,000	D	8,000	2,000	54,000	D
Non-S&E fields	1,117,000	40,000	7,000	60,000	75,000	918,000	18,000
Male	615,000	24,000	3,000	27,000	27,000	523,000	11,000
Female	502,000	15,000	S	33,000	48,000	395,000	6,000
Arts/humanities	228,000	7,000	D	9,000	6,000	204,000	2,000
Male	129,000	5,000	D	3,000	3,000	117,000	1,000
Female	99,000	2,000	D	6,000	S	87,000	S
Education, except science/mathematics teacher education	197,000	6,000	D	5,000	14,000	167,000	3,000
Male	66,000	3,000	D	S	3,000	56,000	D
Female	131,000	3,000	D	4,000	11,000	110,000	D
Management/administration	433,000	17,000	S	36,000	34,000	336,000	8,000
Male	287,000	12,000	D	17,000	14,000	236,000	6,000
Female	146,000	5,000	D	19,000	19,000	100,000	2,000
Sales/marketing	51,000	2,000	D	D	S	45,000	D
Male	29,000	D	D	D	D	26,000	D
Female	22,000	D	D	D	D	19,000	D
Social services/related	36,000	S	D	2,000	5,000	28,000	D
Male	22,000	D	D	S	D	18,000	D
Female	14,000	D	D	D	3,000	10,000	D
Other non-S&E fields	172,000	7,000	S	6,000	14,000	139,000	3,000
Male	81,000	2,000	D	3,000	4,000	70,000	S
Female	90,000	5,000	D	4,000	11,000	69,000	D
Master's degrees	6,893,000	334,000	26,000	799,000	414,000	5,210,000	109,000
Male	3,518,000	150,000	13,000	467,000	155,000	2,679,000	55,000
Female	3,375,000	184,000	13,000	332,000	259,000	2,532,000	54,000
S&E fields	2,544,000	120,000	8,000	497,000	108,000	1,766,000	45,000
Male	1,533,000	63,000	3,000	312,000	48,000	1,077,000	29,000
Female	1,011,000	56,000	5,000	185,000	60,000	689,000	16,000

TABLE 6. U.S. scientists and engineers, by level and field of highest degree, sex, ethnicity, and race: 2008

Level and field of highest degree and sex	All scientists and engineers	Hispanic or Latino	Not Hispanic or Latino				
			American Indian or Alaska Native	Asian	Black or African American	White	Other ^a
Sciences	1,831,000	89,000	7,000	295,000	92,000	1,314,000	34,000
Male	934,000	39,000	3,000	152,000	35,000	686,000	19,000
Female	896,000	50,000	5,000	142,000	57,000	628,000	15,000
Biological/agricultural/environmental life sciences	278,000	11,000	1,000	37,000	9,000	213,000	7,000
Male	140,000	5,000	D	13,000	4,000	113,000	4,000
Female	138,000	6,000	*	24,000	4,000	100,000	3,000
Agricultural/food sciences	37,000	2,000	D	2,000	2,000	28,000	S
Male	22,000	*	D	1,000	S	17,000	D
Female	14,000	1,000	D	1,000	*	11,000	D
Biological sciences	200,000	9,000	*	32,000	5,000	150,000	3,000
Male	94,000	4,000	D	10,000	2,000	75,000	2,000
Female	107,000	5,000	D	22,000	3,000	75,000	1,000
Environmental life sciences	41,000	1,000	D	3,000	1,000	35,000	S
Male	24,000	*	D	2,000	D	20,000	D
Female	17,000	*	D	1,000	1,000	15,000	*
Computer/mathematical sciences	499,000	13,000	S	178,000	21,000	279,000	6,000
Male	331,000	10,000	D	109,000	11,000	198,000	4,000
Female	168,000	3,000	D	69,000	11,000	81,000	2,000
Computer/information sciences	367,000	11,000	D	151,000	15,000	184,000	5,000
Male	252,000	8,000	D	95,000	8,000	137,000	3,000
Female	115,000	3,000	D	56,000	7,000	47,000	2,000
Mathematical sciences	132,000	2,000	D	27,000	6,000	95,000	1,000
Male	79,000	2,000	D	14,000	3,000	60,000	1,000
Female	53,000	*	D	13,000	4,000	35,000	*
Physical/related sciences	159,000	5,000	S	28,000	4,000	118,000	2,000
Male	113,000	4,000	D	16,000	3,000	87,000	2,000
Female	47,000	1,000	D	12,000	S	32,000	*
Chemistry, except biochemistry	54,000	1,000	D	17,000	2,000	34,000	1,000
Male	33,000	1,000	D	8,000	1,000	22,000	1,000
Female	21,000	*	D	9,000	*	12,000	D
Earth/atmospheric/ocean sciences	58,000	2,000	*	4,000	*	51,000	1,000
Male	43,000	1,000	D	2,000	*	38,000	1,000
Female	15,000	*	D	1,000	*	13,000	*
Physics/astronomy	41,000	2,000	D	8,000	1,000	28,000	*
Male	34,000	2,000	D	6,000	1,000	24,000	*
Female	7,000	*	D	2,000	D	5,000	D

TABLE 6. U.S. scientists and engineers, by level and field of highest degree, sex, ethnicity, and race: 2008

Level and field of highest degree and sex	All scientists and engineers	Hispanic or Latino	Not Hispanic or Latino				
			American Indian or Alaska Native	Asian	Black or African American	White	Other ^a
Other physical sciences	6,000	D	D	D	S	5,000	D
Male	3,000	D	D	D	D	2,000	D
Female	3,000	D	D	D	S	3,000	D
Social/related sciences	895,000	59,000	4,000	51,000	58,000	704,000	19,000
Male	351,000	20,000	S	15,000	17,000	289,000	9,000
Female	544,000	39,000	3,000	36,000	41,000	415,000	10,000
Economics	81,000	4,000	D	13,000	3,000	59,000	S
Male	56,000	3,000	D	6,000	3,000	43,000	S
Female	25,000	S	D	7,000	1,000	16,000	D
Political/related sciences	146,000	8,000	D	11,000	9,000	115,000	3,000
Male	83,000	3,000	D	4,000	4,000	70,000	2,000
Female	63,000	5,000	D	7,000	5,000	45,000	1,000
Psychology	493,000	32,000	3,000	14,000	33,000	400,000	12,000
Male	134,000	9,000	D	2,000	7,000	111,000	5,000
Female	359,000	23,000	2,000	12,000	25,000	289,000	7,000
Sociology/anthropology	73,000	8,000	S	5,000	7,000	51,000	1,000
Male	34,000	3,000	D	1,000	2,000	26,000	S
Female	38,000	5,000	*	3,000	5,000	25,000	1,000
Other social sciences	103,000	7,000	*	9,000	6,000	78,000	2,000
Male	43,000	2,000	D	2,000	1,000	38,000	1,000
Female	59,000	5,000	*	7,000	5,000	40,000	1,000
Engineering	713,000	31,000	1,000	203,000	16,000	452,000	11,000
Male	599,000	24,000	*	160,000	13,000	391,000	10,000
Female	115,000	7,000	*	43,000	3,000	61,000	1,000
Aerospace/related engineering	23,000	1,000	D	3,000	*	17,000	1,000
Male	21,000	S	D	3,000	*	16,000	1,000
Female	2,000	*	D	*	*	2,000	*
Chemical engineering	33,000	2,000	D	12,000	1,000	18,000	*
Male	26,000	1,000	D	10,000	1,000	15,000	D
Female	7,000	S	D	2,000	*	3,000	D
Civil/architectural engineering	107,000	5,000	D	24,000	2,000	74,000	2,000
Male	89,000	4,000	D	19,000	2,000	61,000	2,000
Female	18,000	1,000	D	4,000	*	12,000	*
Electrical/computer engineering	261,000	9,000	D	100,000	5,000	143,000	4,000
Male	218,000	7,000	D	75,000	4,000	129,000	3,000
Female	42,000	2,000	D	24,000	1,000	14,000	D

TABLE 6. U.S. scientists and engineers, by level and field of highest degree, sex, ethnicity, and race: 2008

Level and field of highest degree and sex	All scientists and engineers	Hispanic or Latino	Not Hispanic or Latino				
			American Indian or Alaska Native	Asian	Black or African American	White	Other ^a
Industrial engineering	43,000	3,000	D	12,000	2,000	26,000	*
Male	35,000	3,000	D	11,000	2,000	19,000	*
Female	8,000	*	D	1,000	*	6,000	*
Mechanical engineering	108,000	4,000	D	24,000	2,000	77,000	2,000
Male	98,000	3,000	D	22,000	2,000	69,000	2,000
Female	11,000	*	D	2,000	*	8,000	*
Other engineering	139,000	6,000	*	29,000	3,000	98,000	2,000
Male	112,000	5,000	D	21,000	3,000	82,000	2,000
Female	27,000	2,000	D	8,000	1,000	16,000	*
S&E-related fields	1,306,000	53,000	4,000	92,000	79,000	1,058,000	21,000
Male	368,000	15,000	1,000	37,000	19,000	289,000	8,000
Female	938,000	38,000	3,000	55,000	60,000	769,000	13,000
Health	929,000	40,000	3,000	62,000	56,000	753,000	15,000
Male	168,000	8,000	1,000	17,000	9,000	129,000	5,000
Female	761,000	32,000	S	45,000	47,000	624,000	10,000
Science/mathematics teacher education	216,000	5,000	D	7,000	14,000	185,000	4,000
Male	84,000	S	D	2,000	5,000	73,000	S
Female	133,000	4,000	D	5,000	10,000	111,000	S
Technology/technical fields	56,000	2,000	D	15,000	4,000	34,000	D
Male	44,000	S	D	12,000	2,000	28,000	D
Female	11,000	D	D	3,000	S	6,000	D
Other S&E-related fields	106,000	5,000	D	8,000	5,000	87,000	1,000
Male	73,000	4,000	D	6,000	3,000	59,000	S
Female	33,000	2,000	D	2,000	S	28,000	D
Non-S&E fields	3,043,000	162,000	14,000	211,000	227,000	2,386,000	43,000
Male	1,617,000	72,000	9,000	118,000	88,000	1,313,000	18,000
Female	1,425,000	90,000	5,000	93,000	139,000	1,074,000	25,000
Arts/humanities	123,000	8,000	D	13,000	S	98,000	2,000
Male	52,000	2,000	D	5,000	D	44,000	D
Female	72,000	6,000	D	8,000	S	54,000	1,000
Education, except science/mathematics teacher education	919,000	50,000	5,000	26,000	76,000	750,000	12,000
Male	347,000	12,000	3,000	7,000	21,000	299,000	5,000
Female	572,000	38,000	S	18,000	55,000	451,000	7,000
Management/administration	1,197,000	62,000	5,000	129,000	72,000	914,000	15,000
Male	850,000	41,000	4,000	84,000	39,000	676,000	5,000
Female	347,000	21,000	S	45,000	32,000	238,000	9,000

TABLE 6. U.S. scientists and engineers, by level and field of highest degree, sex, ethnicity, and race: 2008

Level and field of highest degree and sex	All scientists and engineers	Hispanic or Latino	Not Hispanic or Latino				
			American Indian or Alaska Native	Asian	Black or African American	White	Other ^a
Sales/marketing	119,000	7,000	D	12,000	6,000	94,000	D
Male	73,000	S	D	8,000	5,000	57,000	D
Female	46,000	4,000	D	4,000	S	37,000	D
Social services/related	347,000	21,000	1,000	9,000	38,000	272,000	5,000
Male	123,000	8,000	D	4,000	11,000	98,000	D
Female	224,000	13,000	1,000	5,000	27,000	175,000	4,000
Other non-S&E fields	337,000	14,000	S	21,000	33,000	258,000	8,000
Male	172,000	6,000	D	9,000	12,000	139,000	5,000
Female	165,000	8,000	D	13,000	21,000	119,000	3,000
Doctoral degrees	1,091,000	40,000	2,000	186,000	38,000	812,000	13,000
Male	741,000	22,000	1,000	136,000	20,000	555,000	7,000
Female	351,000	18,000	1,000	51,000	19,000	257,000	6,000
S&E fields	854,000	26,000	1,000	165,000	23,000	630,000	10,000
Male	612,000	16,000	1,000	123,000	13,000	452,000	6,000
Female	243,000	10,000	*	42,000	9,000	178,000	3,000
Sciences	696,000	22,000	1,000	109,000	20,000	536,000	8,000
Male	471,000	13,000	1,000	75,000	11,000	367,000	5,000
Female	225,000	9,000	*	34,000	9,000	169,000	3,000
Biological/agricultural/environmental life sciences	234,000	8,000	*	46,000	5,000	172,000	3,000
Male	154,000	5,000	*	30,000	3,000	115,000	1,000
Female	80,000	3,000	*	16,000	2,000	57,000	1,000
Agricultural/food sciences	22,000	1,000	D	4,000	1,000	17,000	*
Male	17,000	1,000	D	3,000	1,000	14,000	*
Female	4,000	*	D	1,000	*	3,000	D
Biological sciences	203,000	7,000	*	41,000	4,000	148,000	3,000
Male	130,000	4,000	*	27,000	2,000	96,000	1,000
Female	74,000	3,000	*	15,000	2,000	53,000	1,000
Environmental life sciences	8,000	*	D	1,000	*	7,000	D
Male	6,000	*	D	*	*	6,000	D
Female	2,000	*	D	*	D	1,000	D
Computer/mathematical sciences	67,000	2,000	D	17,000	2,000	47,000	1,000
Male	56,000	1,000	D	14,000	1,000	39,000	*
Female	11,000	*	D	3,000	*	7,000	*
Computer/information sciences	25,000	1,000	D	8,000	1,000	15,000	*
Male	21,000	1,000	D	7,000	*	13,000	*
Female	3,000	*	D	1,000	*	2,000	*

TABLE 6. U.S. scientists and engineers, by level and field of highest degree, sex, ethnicity, and race: 2008

Level and field of highest degree and sex	All scientists and engineers	Hispanic or Latino	Not Hispanic or Latino				
			American Indian or Alaska Native	Asian	Black or African American	White	Other ^a
Mathematical sciences	43,000	1,000	D	9,000	1,000	31,000	*
Male	35,000	1,000	D	7,000	1,000	26,000	*
Female	8,000	*	D	2,000	*	5,000	*
Physical/related sciences	169,000	4,000	*	33,000	2,000	128,000	2,000
Male	140,000	3,000	*	25,000	2,000	109,000	2,000
Female	29,000	1,000	D	8,000	1,000	20,000	*
Chemistry, except biochemistry	88,000	2,000	*	19,000	2,000	64,000	1,000
Male	70,000	1,000	*	14,000	1,000	52,000	1,000
Female	18,000	1,000	D	5,000	*	11,000	*
Earth/atmospheric/ocean sciences	22,000	1,000	D	2,000	*	19,000	*
Male	18,000	*	D	2,000	*	15,000	*
Female	4,000	*	D	1,000	D	3,000	*
Physics/astronomy	56,000	1,000	D	11,000	1,000	43,000	*
Male	50,000	1,000	D	9,000	1,000	39,000	*
Female	7,000	*	D	2,000	*	4,000	D
Other physical sciences	3,000	D	D	*	*	3,000	D
Male	3,000	D	D	*	D	2,000	D
Female	1,000	D	D	*	D	1,000	D
Social/related sciences	226,000	8,000	1,000	14,000	11,000	189,000	3,000
Male	122,000	4,000	*	7,000	5,000	105,000	2,000
Female	104,000	4,000	*	7,000	6,000	85,000	2,000
Economics	28,000	1,000	D	5,000	1,000	21,000	*
Male	22,000	1,000	D	3,000	1,000	17,000	*
Female	6,000	*	D	1,000	*	4,000	D
Political/related sciences	25,000	1,000	*	1,000	1,000	21,000	*
Male	18,000	*	D	1,000	1,000	16,000	*
Female	7,000	*	*	1,000	1,000	5,000	*
Psychology	120,000	5,000	*	5,000	5,000	104,000	2,000
Male	54,000	2,000	*	1,000	2,000	49,000	1,000
Female	66,000	3,000	*	4,000	4,000	54,000	1,000
Sociology/anthropology	32,000	1,000	*	1,000	2,000	27,000	1,000
Male	16,000	1,000	D	1,000	1,000	14,000	*
Female	16,000	1,000	*	1,000	1,000	13,000	*
Other social sciences	21,000	1,000	*	2,000	1,000	16,000	*
Male	11,000	*	D	1,000	1,000	9,000	*
Female	10,000	*	D	1,000	1,000	8,000	*

TABLE 6. U.S. scientists and engineers, by level and field of highest degree, sex, ethnicity, and race: 2008

Level and field of highest degree and sex	All scientists and engineers	Hispanic or Latino	Not Hispanic or Latino				
			American Indian or Alaska Native	Asian	Black or African American	White	Other ^a
Engineering	158,000	4,000	*	56,000	3,000	94,000	1,000
Male	140,000	3,000	D	48,000	2,000	85,000	1,000
Female	18,000	1,000	D	8,000	*	9,000	*
Aerospace/related engineering	8,000	*	D	2,000	*	5,000	D
Male	7,000	*	D	2,000	*	5,000	D
Female	*	D	D	*	D	*	D
Chemical engineering	21,000	1,000	D	7,000	1,000	12,000	*
Male	18,000	*	D	7,000	*	11,000	*
Female	2,000	*	D	1,000	*	1,000	D
Civil/architectural engineering	13,000	*	D	4,000	*	8,000	*
Male	12,000	*	D	4,000	*	7,000	D
Female	2,000	*	D	1,000	*	1,000	D
Electrical/computer engineering	46,000	1,000	D	19,000	1,000	25,000	1,000
Male	42,000	1,000	D	16,000	1,000	24,000	*
Female	5,000	*	D	3,000	*	2,000	D
Industrial engineering	4,000	*	D	2,000	*	2,000	D
Male	4,000	*	D	2,000	*	2,000	D
Female	1,000	D	D	*	*	1,000	D
Mechanical engineering	20,000	*	D	8,000	*	11,000	*
Male	19,000	*	D	7,000	*	11,000	*
Female	1,000	D	D	1,000	D	*	D
Other engineering	45,000	1,000	D	14,000	1,000	29,000	*
Male	38,000	1,000	D	11,000	*	25,000	*
Female	7,000	*	D	3,000	*	3,000	*
S&E-related fields	75,000	4,000	*	11,000	4,000	53,000	2,000
Male	38,000	2,000	D	6,000	2,000	27,000	1,000
Female	37,000	2,000	*	5,000	3,000	26,000	1,000
Health	54,000	4,000	*	8,000	4,000	37,000	1,000
Male	24,000	2,000	D	4,000	2,000	16,000	*
Female	30,000	2,000	*	4,000	2,000	22,000	1,000
Science/mathematics teacher education	11,000	D	D	D	1,000	10,000	D
Male	7,000	D	D	D	D	6,000	D
Female	4,000	D	D	D	1,000	4,000	D
Technology/technical fields	5,000	D	D	2,000	D	3,000	D
Male	4,000	D	D	1,000	D	3,000	D
Female	D	D	D	D	D	D	D

TABLE 6. U.S. scientists and engineers, by level and field of highest degree, sex, ethnicity, and race: 2008

Level and field of highest degree and sex	All scientists and engineers	Hispanic or Latino	Not Hispanic or Latino				
			American Indian or Alaska Native	Asian	Black or African American	White	Other ^a
Other S&E-related fields	4,000	D	D	D	D	4,000	D
Male	3,000	D	D	D	D	D	D
Female	1,000	D	D	D	D	1,000	D
Non-S&E fields	163,000	10,000	D	10,000	11,000	129,000	2,000
Male	91,000	4,000	D	6,000	5,000	76,000	D
Female	71,000	6,000	D	4,000	7,000	53,000	2,000
Arts/humanities	20,000	2,000	D	*	D	17,000	D
Male	11,000	D	D	D	D	10,000	D
Female	9,000	D	D	D	D	7,000	D
Education, except science/mathematics teacher education	75,000	4,000	D	2,000	8,000	61,000	1,000
Male	37,000	2,000	D	1,000	2,000	31,000	D
Female	39,000	2,000	D	1,000	6,000	29,000	1,000
Management/administration	17,000	D	D	6,000	D	10,000	D
Male	13,000	D	D	4,000	D	8,000	D
Female	4,000	D	D	2,000	D	S	D
Sales/marketing	2,000	D	D	D	D	1,000	D
Male	1,000	D	D	D	D	D	D
Female	1,000	D	D	D	D	D	D
Social services/related	24,000	D	D	1,000	2,000	19,000	D
Male	18,000	D	D	D	2,000	15,000	D
Female	6,000	D	D	D	D	4,000	D
Other non-S&E fields	24,000	S	D	*	D	22,000	D
Male	12,000	D	D	D	D	11,000	D
Female	13,000	D	D	D	D	11,000	D

* = value < 500. D = suppressed to avoid disclosure of confidential information. S = suppressed for reliability; coefficient of variation exceeds publication standards.

S&E = science and engineering.

^a "Other" includes Native Hawaiian or Other Pacific Islander and Not Hispanic or Latino respondents reporting two or more races.

^b Total includes professional degrees not broken out separately.

NOTES: Scientists and engineers include any person who has ever received bachelor's or higher degree in S&E or S&E-related field through 30 June 2007, plus any person holding non-S&E bachelor's or higher degree who was employed in S&E or S&E-related occupation on 1 October 2003. See <http://sestat.nsf.gov/docs/ed03maj.html> for detailed description of educational field classification. Numbers are rounded to nearest thousand. Detail may not add to total because of rounding.

SOURCE: National Science Foundation/National Center for Science and Engineering Statistics, Scientists and Engineers Statistical Data System (SESTAT): 2008.