

TABLE 11. U.S. scientists and engineers, by level and field of highest degree, sex, and race/ethnicity: 2003

Level and field of highest degree and sex	All scientists and engineers	Race/ethnicity ^a					
		American Indian/Alaska Native	Asian	Black	Hispanic	White	Other
All degree levels and fields ^b	21,647,000	91,000	2,046,000	1,198,000	1,094,000	16,867,000	351,000
Male	12,129,000	47,000	1,149,000	510,000	569,000	9,664,000	191,000
Female	9,518,000	45,000	897,000	688,000	525,000	7,203,000	161,000
S&E fields	11,880,000	49,000	1,301,000	633,000	622,000	9,069,000	207,000
Male	7,330,000	26,000	802,000	298,000	340,000	5,742,000	122,000
Female	4,549,000	22,000	499,000	335,000	282,000	3,328,000	85,000
Sciences	9,048,000	42,000	860,000	550,000	471,000	6,962,000	163,000
Male	4,834,000	21,000	433,000	234,000	215,000	3,847,000	85,000
Female	4,214,000	21,000	427,000	316,000	256,000	3,114,000	78,000
Biological/agricultural/environmental life sciences	1,851,000	8,000	190,000	73,000	95,000	1,453,000	32,000
Male	1,007,000	5,000	86,000	27,000	46,000	825,000	18,000
Female	844,000	3,000	103,000	46,000	49,000	628,000	14,000
Agricultural/food sciences	292,000	1,000	18,000	6,000	12,000	248,000	6,000
Male	191,000	S	12,000	4,000	8,000	163,000	4,000
Female	101,000	S	7,000	2,000	4,000	86,000	2,000
Biological sciences	1,374,000	5,000	164,000	65,000	80,000	1,038,000	22,000
Male	687,000	3,000	71,000	22,000	35,000	544,000	11,000
Female	687,000	2,000	92,000	42,000	45,000	495,000	11,000
Environmental life sciences	185,000	2,000	8,000	2,000	4,000	166,000	3,000
Male	129,000	1,000	3,000	1,000	4,000	118,000	2,000
Female	56,000	1,000	4,000	1,000	1,000	48,000	1,000
Computer/mathematical sciences	1,703,000	10,000	298,000	105,000	74,000	1,188,000	28,000
Male	1,100,000	5,000	175,000	57,000	47,000	795,000	20,000
Female	603,000	4,000	123,000	48,000	27,000	393,000	8,000
Computer/information sciences	1,087,000	9,000	232,000	72,000	57,000	697,000	20,000
Male	728,000	5,000	141,000	38,000	35,000	495,000	14,000
Female	359,000	4,000	91,000	34,000	21,000	202,000	6,000
Mathematical sciences	616,000	1,000	66,000	34,000	18,000	491,000	8,000
Male	372,000	S	34,000	20,000	12,000	300,000	6,000
Female	244,000	S	32,000	14,000	5,000	191,000	2,000
Physical/related sciences	876,000	3,000	118,000	25,000	34,000	682,000	13,000
Male	637,000	2,000	74,000	15,000	20,000	521,000	6,000
Female	239,000	1,000	45,000	10,000	15,000	161,000	7,000
Chemistry, except biochemistry	421,000	1,000	73,000	16,000	18,000	305,000	7,000
Male	277,000	*	42,000	9,000	10,000	212,000	3,000
Female	144,000	1,000	31,000	7,000	8,000	93,000	5,000
Earth/atmospheric/ocean sciences	211,000	*	8,000	2,000	6,000	193,000	2,000
Male	167,000	*	6,000	1,000	4,000	155,000	1,000
Female	43,000	S	2,000	S	2,000	38,000	*
Physics/astronomy	187,000	1,000	34,000	4,000	6,000	141,000	2,000
Male	160,000	S	25,000	3,000	5,000	125,000	2,000
Female	27,000	*	10,000	1,000	1,000	16,000	*
Other physical sciences	57,000	S	3,000	4,000	4,000	43,000	S
Male	33,000	S	1,000	2,000	*	29,000	S
Female	24,000	S	2,000	2,000	4,000	15,000	S
Social/related sciences	4,618,000	22,000	254,000	346,000	267,000	3,639,000	90,000
Male	2,090,000	9,000	98,000	134,000	102,000	1,706,000	41,000

TABLE 11. U.S. scientists and engineers, by level and field of highest degree, sex, and race/ethnicity: 2003

Level and field of highest degree and sex	All scientists and engineers	Race/ethnicity ^a					
		American Indian/Alaska Native	Asian	Black	Hispanic	White	Other
Female	2,528,000	13,000	156,000	212,000	165,000	1,933,000	49,000
Economics	680,000	S	92,000	25,000	29,000	525,000	8,000
Male	493,000	S	49,000	19,000	19,000	401,000	5,000
Female	187,000	S	43,000	5,000	11,000	124,000	3,000
Political/related sciences	830,000	5,000	42,000	66,000	48,000	652,000	17,000
Male	503,000	2,000	18,000	35,000	25,000	412,000	11,000
Female	327,000	3,000	23,000	31,000	23,000	240,000	6,000
Psychology	1,734,000	6,000	63,000	129,000	108,000	1,391,000	37,000
Male	534,000	3,000	16,000	33,000	28,000	442,000	12,000
Female	1,200,000	4,000	47,000	96,000	79,000	950,000	24,000
Sociology/anthropology	895,000	7,000	29,000	88,000	44,000	708,000	19,000
Male	326,000	3,000	6,000	29,000	17,000	262,000	9,000
Female	569,000	4,000	23,000	59,000	26,000	447,000	10,000
Other social sciences	479,000	4,000	28,000	38,000	38,000	362,000	9,000
Male	233,000	2,000	8,000	17,000	13,000	190,000	3,000
Female	246,000	2,000	20,000	21,000	26,000	171,000	5,000
Engineering	2,832,000	6,000	441,000	83,000	151,000	2,107,000	44,000
Male	2,496,000	5,000	369,000	65,000	125,000	1,894,000	37,000
Female	336,000	1,000	71,000	18,000	25,000	213,000	7,000
Aerospace/related engineering	100,000	1,000	8,000	2,000	4,000	83,000	3,000
Male	92,000	S	6,000	1,000	4,000	76,000	3,000
Female	9,000	S	1,000	*	*	7,000	S
Chemical engineering	197,000	2,000	35,000	5,000	11,000	142,000	3,000
Male	156,000	1,000	28,000	2,000	7,000	116,000	1,000
Female	41,000	S	7,000	2,000	4,000	26,000	2,000
Civil/architectural engineering	443,000	1,000	53,000	13,000	33,000	332,000	11,000
Male	393,000	1,000	45,000	11,000	29,000	297,000	10,000
Female	51,000	S	8,000	2,000	5,000	35,000	1,000
Electrical/computer engineering	905,000	1,000	203,000	38,000	43,000	605,000	16,000
Male	806,000	1,000	169,000	31,000	35,000	555,000	14,000
Female	100,000	S	33,000	7,000	7,000	50,000	2,000
Industrial engineering	181,000	S	20,000	6,000	16,000	138,000	1,000
Male	151,000	S	15,000	4,000	13,000	118,000	1,000
Female	31,000	S	5,000	3,000	2,000	21,000	S
Mechanical engineering	597,000	2,000	70,000	12,000	23,000	485,000	6,000
Male	551,000	1,000	66,000	11,000	20,000	447,000	5,000
Female	46,000	S	4,000	1,000	2,000	37,000	1,000
Other engineering	407,000	1,000	52,000	7,000	21,000	322,000	4,000
Male	348,000	S	39,000	5,000	16,000	284,000	3,000
Female	59,000	S	13,000	3,000	5,000	38,000	1,000
S&E-related fields	5,203,000	21,000	484,000	270,000	278,000	4,071,000	80,000
Male	2,191,000	7,000	208,000	93,000	127,000	1,725,000	33,000
Female	3,012,000	14,000	276,000	177,000	151,000	2,346,000	47,000
Health	3,998,000	17,000	392,000	206,000	216,000	3,101,000	67,000
Male	1,380,000	4,000	144,000	52,000	86,000	1,070,000	24,000
Female	2,619,000	12,000	248,000	155,000	130,000	2,031,000	43,000
Science/mathematics teacher education	439,000	2,000	13,000	25,000	18,000	378,000	3,000

TABLE 11. U.S. scientists and engineers, by level and field of highest degree, sex, and race/ethnicity: 2003

Level and field of highest degree and sex	Race/ethnicity ^a						
	All scientists and engineers	American	Asian	Black	Hispanic	White	Other
		Indian/Alaska Native					
Male	199,000	S	4,000	9,000	6,000	178,000	2,000
Female	240,000	2,000	9,000	16,000	12,000	200,000	2,000
Technology/technical fields	397,000	2,000	51,000	23,000	21,000	294,000	6,000
Male	342,000	S	39,000	18,000	19,000	258,000	5,000
Female	55,000	S	12,000	5,000	2,000	36,000	S
Other S&E-related fields	369,000	S	29,000	16,000	22,000	298,000	3,000
Male	271,000	S	20,000	13,000	15,000	218,000	3,000
Female	99,000	S	8,000	2,000	7,000	80,000	S
Non-S&E fields	4,564,000	22,000	260,000	295,000	195,000	3,727,000	65,000
Male	2,608,000	14,000	139,000	119,000	103,000	2,198,000	36,000
Female	1,956,000	8,000	122,000	176,000	92,000	1,529,000	29,000
Arts/humanities	390,000	S	22,000	10,000	14,000	339,000	4,000
Male	206,000	S	9,000	5,000	9,000	181,000	2,000
Female	183,000	S	14,000	4,000	5,000	158,000	2,000
Education, except science/mathematics teacher education	1,044,000	6,000	24,000	83,000	45,000	870,000	15,000
Male	433,000	3,000	7,000	27,000	15,000	374,000	7,000
Female	611,000	3,000	17,000	57,000	30,000	496,000	7,000
Management/administration	1,522,000	9,000	142,000	95,000	65,000	1,190,000	23,000
Male	1,080,000	7,000	86,000	43,000	45,000	883,000	16,000
Female	442,000	2,000	56,000	51,000	19,000	307,000	7,000
Sales/marketing	160,000	S	12,000	7,000	6,000	134,000	1,000
Male	100,000	S	7,000	4,000	4,000	84,000	S
Female	60,000	S	4,000	3,000	3,000	49,000	S
Social services/related	357,000	S	11,000	36,000	15,000	289,000	5,000
Male	159,000	S	6,000	15,000	6,000	130,000	2,000
Female	198,000	S	5,000	21,000	10,000	159,000	3,000
Other non-S&E fields	1,092,000	6,000	49,000	65,000	49,000	906,000	17,000
Male	629,000	3,000	24,000	25,000	24,000	545,000	8,000
Female	462,000	3,000	25,000	40,000	24,000	361,000	9,000
Bachelor's degrees	12,782,000	61,000	1,065,000	747,000	699,000	9,977,000	232,000
Male	6,909,000	30,000	549,000	319,000	350,000	5,541,000	121,000
Female	5,872,000	31,000	516,000	428,000	349,000	4,437,000	111,000
S&E fields	8,716,000	41,000	762,000	507,000	497,000	6,745,000	164,000
Male	5,287,000	23,000	439,000	240,000	268,000	4,223,000	94,000
Female	3,429,000	18,000	322,000	267,000	229,000	2,523,000	70,000
Sciences	6,666,000	35,000	517,000	441,000	379,000	5,164,000	129,000
Male	3,471,000	18,000	235,000	190,000	168,000	2,795,000	65,000
Female	3,195,000	17,000	282,000	252,000	211,000	2,369,000	64,000
Biological/agricultural/environmental life sciences	1,369,000	6,000	114,000	58,000	79,000	1,087,000	26,000
Male	721,000	4,000	44,000	19,000	37,000	603,000	14,000
Female	648,000	2,000	70,000	39,000	42,000	484,000	12,000
Agricultural/food sciences	232,000	S	12,000	4,000	8,000	203,000	5,000
Male	150,000	S	8,000	2,000	6,000	130,000	3,000
Female	82,000	S	4,000	2,000	3,000	72,000	S
Biological sciences	998,000	4,000	98,000	53,000	67,000	758,000	18,000
Male	474,000	3,000	36,000	16,000	28,000	381,000	9,000
Female	524,000	1,000	62,000	37,000	39,000	377,000	9,000

TABLE 11. U.S. scientists and engineers, by level and field of highest degree, sex, and race/ethnicity: 2003

Level and field of highest degree and sex	All scientists and engineers	Race/ethnicity ^a					
		American Indian/Alaska Native	Asian	Black	Hispanic	White	Other
Environmental life sciences	139,000	1,000	4,000	1,000	4,000	126,000	2,000
Male	98,000	S	S	1,000	3,000	91,000	S
Female	41,000	S	4,000	S	*	35,000	1,000
Computer/mathematical sciences	1,202,000	9,000	145,000	85,000	62,000	881,000	21,000
Male	758,000	5,000	81,000	48,000	37,000	572,000	15,000
Female	444,000	3,000	64,000	37,000	24,000	309,000	6,000
Computer/information sciences	753,000	8,000	107,000	59,000	47,000	517,000	14,000
Male	498,000	5,000	63,000	31,000	28,000	361,000	10,000
Female	255,000	3,000	44,000	28,000	20,000	156,000	4,000
Mathematical sciences	449,000	S	38,000	26,000	14,000	364,000	7,000
Male	260,000	S	18,000	17,000	10,000	210,000	5,000
Female	189,000	S	20,000	9,000	5,000	154,000	1,000
Physical/related sciences	548,000	2,000	59,000	19,000	27,000	432,000	10,000
Male	378,000	1,000	33,000	10,000	14,000	316,000	3,000
Female	170,000	1,000	25,000	9,000	13,000	116,000	7,000
Chemistry, except biochemistry	275,000	1,000	37,000	12,000	15,000	204,000	6,000
Male	168,000	S	20,000	6,000	8,000	132,000	2,000
Female	107,000	S	17,000	6,000	7,000	72,000	4,000
Earth/atmospheric/ocean sciences	135,000	S	2,000	1,000	4,000	126,000	1,000
Male	109,000	S	2,000	1,000	2,000	103,000	1,000
Female	26,000	S	S	S	1,000	23,000	S
Physics/astronomy	93,000	*	17,000	2,000	3,000	69,000	1,000
Male	76,000	S	11,000	1,000	3,000	60,000	1,000
Female	16,000	S	6,000	1,000	1,000	9,000	S
Other physical sciences	46,000	S	2,000	4,000	4,000	34,000	S
Male	25,000	S	S	2,000	S	21,000	S
Female	21,000	S	2,000	2,000	4,000	12,000	S
Social/related sciences	3,547,000	19,000	199,000	279,000	212,000	2,764,000	73,000
Male	1,614,000	8,000	76,000	112,000	80,000	1,304,000	33,000
Female	1,933,000	11,000	123,000	167,000	133,000	1,460,000	40,000
Economics	563,000	S	75,000	20,000	25,000	435,000	7,000
Male	406,000	S	38,000	17,000	15,000	330,000	5,000
Female	157,000	S	36,000	3,000	10,000	105,000	3,000
Political/related sciences	688,000	4,000	32,000	56,000	41,000	540,000	15,000
Male	413,000	S	15,000	31,000	21,000	336,000	9,000
Female	275,000	3,000	17,000	25,000	19,000	204,000	6,000
Psychology	1,133,000	4,000	48,000	92,000	77,000	886,000	26,000
Male	335,000	S	13,000	25,000	18,000	269,000	8,000
Female	798,000	2,000	35,000	67,000	59,000	618,000	18,000
Sociology/anthropology	798,000	6,000	24,000	81,000	38,000	631,000	18,000
Male	283,000	2,000	5,000	27,000	15,000	225,000	8,000
Female	516,000	4,000	19,000	55,000	23,000	405,000	9,000
Other social sciences	364,000	3,000	20,000	30,000	31,000	273,000	7,000
Male	177,000	S	6,000	13,000	10,000	145,000	3,000
Female	187,000	2,000	15,000	17,000	22,000	128,000	5,000
Engineering	2,050,000	5,000	244,000	66,000	118,000	1,581,000	34,000
Male	1,816,000	5,000	204,000	51,000	100,000	1,428,000	29,000

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Level and field of highest degree and sex	All scientists and engineers	Race/ethnicity ^a					
		American Indian/Alaska Native	Asian	Black	Hispanic	White	Other
Female	234,000	1,000	40,000	15,000	18,000	154,000	6,000
Aerospace/related engineering	74,000	1,000	3,000	1,000	2,000	65,000	2,000
Male	68,000	S	3,000	1,000	2,000	59,000	2,000
Female	7,000	S	1,000	S	*	6,000	S
Chemical engineering	144,000	2,000	18,000	4,000	8,000	110,000	2,000
Male	112,000	1,000	13,000	1,000	6,000	90,000	1,000
Female	32,000	S	5,000	2,000	2,000	21,000	1,000
Civil/architectural engineering	335,000	1,000	31,000	10,000	26,000	258,000	9,000
Male	299,000	1,000	27,000	9,000	23,000	232,000	8,000
Female	36,000	S	5,000	2,000	4,000	25,000	1,000
Electrical/computer engineering	628,000	1,000	115,000	31,000	35,000	433,000	14,000
Male	565,000	S	99,000	25,000	30,000	399,000	12,000
Female	63,000	S	16,000	6,000	5,000	35,000	2,000
Industrial engineering	137,000	S	10,000	4,000	12,000	110,000	1,000
Male	114,000	S	6,000	2,000	10,000	95,000	S
Female	23,000	S	4,000	2,000	2,000	15,000	S
Mechanical engineering	480,000	1,000	45,000	10,000	19,000	399,000	5,000
Male	442,000	1,000	43,000	9,000	17,000	368,000	4,000
Female	38,000	S	2,000	1,000	2,000	31,000	1,000
Other engineering	251,000	S	22,000	4,000	15,000	206,000	2,000
Male	216,000	S	15,000	3,000	12,000	185,000	2,000
Female	34,000	S	7,000	2,000	3,000	22,000	S
S&E-related fields	2,828,000	13,000	241,000	161,000	152,000	2,210,000	50,000
Male	946,000	4,000	79,000	48,000	54,000	745,000	16,000
Female	1,882,000	9,000	162,000	113,000	98,000	1,465,000	35,000
Health	1,994,000	10,000	177,000	119,000	103,000	1,543,000	43,000
Male	355,000	2,000	36,000	18,000	21,000	267,000	10,000
Female	1,640,000	8,000	141,000	100,000	82,000	1,276,000	33,000
Science/mathematics teacher education	237,000	S	8,000	12,000	13,000	203,000	1,000
Male	108,000	S	2,000	5,000	3,000	97,000	S
Female	129,000	S	6,000	7,000	9,000	106,000	S
Technology/technical fields	336,000	2,000	35,000	19,000	19,000	256,000	4,000
Male	292,000	S	26,000	16,000	17,000	228,000	4,000
Female	43,000	S	9,000	4,000	2,000	28,000	S
Other S&E-related fields	260,000	S	21,000	12,000	18,000	208,000	2,000
Male	191,000	S	14,000	10,000	12,000	152,000	2,000
Female	69,000	S	6,000	2,000	5,000	55,000	S
Non-S&E fields	1,238,000	8,000	63,000	79,000	49,000	1,022,000	18,000
Male	677,000	3,000	31,000	31,000	28,000	573,000	11,000
Female	562,000	4,000	32,000	48,000	21,000	449,000	7,000
Arts/humanities	257,000	S	10,000	6,000	9,000	228,000	3,000
Male	141,000	S	5,000	4,000	7,000	124,000	1,000
Female	116,000	S	5,000	2,000	2,000	104,000	2,000
Education, except science/mathematics teacher education	221,000	3,000	6,000	12,000	9,000	188,000	3,000
Male	79,000	S	2,000	3,000	5,000	67,000	1,000
Female	142,000	S	4,000	9,000	4,000	121,000	2,000
Management/administration	478,000	3,000	37,000	36,000	20,000	374,000	8,000

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Level and field of highest degree and sex	All scientists and engineers	Race/ethnicity ^a					
		American Indian/Alaska Native	Asian	Black	Hispanic	White	Other
Male	320,000	S	20,000	16,000	12,000	265,000	6,000
Female	158,000	S	18,000	20,000	8,000	109,000	2,000
Sales/marketing	54,000	S	S	2,000	2,000	48,000	S
Male	28,000	S	S	S	1,000	25,000	S
Female	26,000	S	S	S	S	23,000	S
Social services/related	42,000	S	1,000	6,000	1,000	34,000	S
Male	24,000	S	1,000	3,000	S	20,000	S
Female	18,000	S	S	3,000	S	14,000	S
Other non-S&E fields	187,000	S	7,000	17,000	8,000	150,000	3,000
Male	85,000	S	3,000	5,000	3,000	72,000	2,000
Female	102,000	S	4,000	12,000	6,000	78,000	S
Master's degrees	5,967,000	23,000	625,000	345,000	250,000	4,643,000	82,000
Male	3,222,000	12,000	371,000	133,000	124,000	2,532,000	48,000
Female	2,745,000	10,000	254,000	212,000	125,000	2,110,000	33,000
S&E fields	2,348,000	7,000	396,000	102,000	100,000	1,711,000	34,000
Male	1,446,000	3,000	251,000	45,000	57,000	1,069,000	22,000
Female	902,000	4,000	145,000	57,000	43,000	641,000	12,000
Sciences	1,706,000	6,000	244,000	87,000	70,000	1,273,000	25,000
Male	895,000	2,000	127,000	33,000	34,000	684,000	15,000
Female	811,000	4,000	117,000	54,000	37,000	589,000	11,000
Biological/agricultural/environmental life sciences	261,000	1,000	34,000	8,000	9,000	204,000	4,000
Male	135,000	S	14,000	5,000	4,000	111,000	2,000
Female	125,000	1,000	20,000	4,000	5,000	93,000	2,000
Agricultural/food sciences	37,000	S	3,000	2,000	2,000	28,000	1,000
Male	23,000	S	1,000	2,000	S	18,000	S
Female	14,000	S	1,000	S	1,000	11,000	S
Biological sciences	185,000	1,000	29,000	6,000	7,000	141,000	2,000
Male	87,000	S	10,000	3,000	3,000	71,000	S
Female	98,000	S	19,000	3,000	4,000	71,000	1,000
Environmental life sciences	39,000	S	3,000	1,000	*	34,000	S
Male	26,000	S	3,000	S	S	22,000	S
Female	13,000	S	S	1,000	*	12,000	S
Computer/mathematical sciences	444,000	S	140,000	18,000	11,000	268,000	7,000
Male	295,000	S	84,000	9,000	9,000	190,000	4,000
Female	149,000	S	56,000	9,000	2,000	78,000	2,000
Computer/information sciences	316,000	S	119,000	13,000	9,000	169,000	5,000
Male	215,000	S	73,000	7,000	7,000	125,000	4,000
Female	101,000	S	46,000	6,000	2,000	45,000	2,000
Mathematical sciences	128,000	S	21,000	5,000	2,000	98,000	1,000
Male	80,000	S	11,000	2,000	2,000	65,000	1,000
Female	48,000	S	10,000	3,000	1,000	33,000	S
Physical/related sciences	161,000	1,000	29,000	4,000	4,000	121,000	2,000
Male	117,000	S	16,000	3,000	3,000	92,000	2,000
Female	44,000	S	13,000	1,000	1,000	28,000	*
Chemistry, except biochemistry	59,000	S	18,000	2,000	1,000	37,000	S
Male	38,000	S	9,000	2,000	1,000	26,000	S
Female	22,000	S	10,000	*	1,000	11,000	S

TABLE 11. U.S. scientists and engineers, by level and field of highest degree, sex, and race/ethnicity: 2003

Level and field of highest degree and sex	All scientists and engineers	Race/ethnicity ^a					
		American Indian/Alaska Native	Asian	Black	Hispanic	White	Other
Earth/atmospheric/ocean sciences	55,000	S	4,000	S	1,000	49,000	1,000
Male	41,000	S	2,000	S	1,000	37,000	1,000
Female	14,000	S	2,000	S	*	12,000	S
Physics/astronomy	40,000	S	7,000	1,000	2,000	29,000	*
Male	34,000	S	5,000	1,000	2,000	26,000	S
Female	6,000	S	2,000	S	S	3,000	S
Other physical sciences	7,000	S	S	S	S	6,000	S
Male	4,000	S	S	S	S	4,000	S
Female	2,000	S	S	S	S	2,000	S
Social/related sciences	840,000	3,000	41,000	57,000	46,000	680,000	13,000
Male	347,000	1,000	14,000	16,000	18,000	291,000	7,000
Female	493,000	2,000	27,000	41,000	28,000	389,000	6,000
Economics	89,000	S	13,000	4,000	4,000	68,000	*
Male	65,000	S	7,000	2,000	3,000	52,000	S
Female	25,000	S	6,000	2,000	1,000	16,000	S
Political/related sciences	118,000	S	7,000	9,000	6,000	93,000	1,000
Male	72,000	S	3,000	3,000	3,000	62,000	1,000
Female	46,000	S	5,000	5,000	3,000	32,000	S
Psychology	473,000	2,000	11,000	32,000	25,000	393,000	9,000
Male	139,000	S	2,000	7,000	8,000	118,000	4,000
Female	334,000	2,000	9,000	25,000	17,000	275,000	5,000
Sociology/anthropology	66,000	S	4,000	5,000	4,000	52,000	1,000
Male	28,000	S	1,000	2,000	2,000	23,000	S
Female	38,000	S	3,000	3,000	3,000	29,000	S
Other social sciences	94,000	S	5,000	8,000	6,000	73,000	1,000
Male	43,000	S	1,000	3,000	3,000	36,000	S
Female	51,000	S	4,000	5,000	4,000	37,000	1,000
Engineering	642,000	S	151,000	15,000	29,000	438,000	8,000
Male	552,000	S	124,000	12,000	23,000	385,000	7,000
Female	91,000	S	27,000	3,000	7,000	53,000	1,000
Aerospace/related engineering	19,000	S	2,000	S	1,000	14,000	1,000
Male	18,000	S	2,000	S	1,000	13,000	1,000
Female	1,000	S	S	S	S	1,000	S
Chemical engineering	33,000	S	11,000	1,000	2,000	19,000	S
Male	26,000	S	9,000	1,000	1,000	16,000	S
Female	7,000	S	1,000	*	1,000	4,000	S
Civil/architectural engineering	96,000	S	19,000	2,000	7,000	66,000	2,000
Male	83,000	S	15,000	2,000	6,000	58,000	2,000
Female	13,000	S	3,000	*	1,000	9,000	S
Electrical/computer engineering	237,000	S	74,000	6,000	7,000	147,000	2,000
Male	203,000	S	58,000	5,000	5,000	133,000	2,000
Female	34,000	S	16,000	1,000	2,000	14,000	S
Industrial engineering	40,000	S	9,000	2,000	4,000	26,000	S
Male	33,000	S	8,000	1,000	3,000	21,000	S
Female	7,000	S	1,000	*	1,000	5,000	S
Mechanical engineering	100,000	S	18,000	1,000	3,000	75,000	1,000
Male	93,000	S	17,000	1,000	3,000	70,000	1,000

TABLE 11. U.S. scientists and engineers, by level and field of highest degree, sex, and race/ethnicity: 2003

Level and field of highest degree and sex	All scientists and engineers	Race/ethnicity ^a					
		American Indian/Alaska Native	Asian	Black	Hispanic	White	Other
Female	7,000	S	1,000	*	S	6,000	S
Other engineering	117,000	S	19,000	2,000	5,000	89,000	2,000
Male	96,000	S	14,000	2,000	4,000	75,000	1,000
Female	21,000	S	4,000	1,000	2,000	13,000	1,000
S&E-related fields	1,088,000	4,000	68,000	62,000	40,000	901,000	12,000
Male	349,000	S	33,000	18,000	13,000	279,000	6,000
Female	739,000	3,000	36,000	44,000	27,000	622,000	7,000
Health	740,000	3,000	41,000	42,000	28,000	618,000	8,000
Male	146,000	S	13,000	8,000	5,000	117,000	3,000
Female	593,000	2,000	28,000	34,000	23,000	500,000	5,000
Science/mathematics teacher education	189,000	S	4,000	13,000	5,000	164,000	2,000
Male	83,000	S	2,000	5,000	2,000	74,000	S
Female	106,000	S	3,000	8,000	3,000	90,000	S
Technology/technical fields	58,000	S	15,000	4,000	2,000	36,000	1,000
Male	46,000	S	12,000	3,000	2,000	28,000	1,000
Female	12,000	S	3,000	S	S	8,000	S
Other S&E-related fields	102,000	S	7,000	4,000	5,000	84,000	1,000
Male	73,000	S	6,000	3,000	3,000	61,000	S
Female	28,000	S	1,000	S	S	24,000	S
Non-S&E fields	2,530,000	12,000	161,000	181,000	110,000	2,031,000	36,000
Male	1,426,000	9,000	87,000	70,000	55,000	1,184,000	21,000
Female	1,104,000	3,000	74,000	111,000	55,000	847,000	15,000
Arts/humanities	113,000	S	12,000	3,000	5,000	93,000	1,000
Male	53,000	S	4,000	S	1,000	47,000	S
Female	60,000	S	8,000	1,000	3,000	46,000	S
Education, except science/mathematics teacher education	743,000	3,000	16,000	65,000	32,000	616,000	10,000
Male	310,000	2,000	4,000	21,000	9,000	268,000	6,000
Female	433,000	S	12,000	44,000	23,000	349,000	4,000
Management/administration	1,025,000	6,000	99,000	58,000	44,000	802,000	15,000
Male	744,000	6,000	63,000	27,000	33,000	606,000	10,000
Female	280,000	S	37,000	31,000	11,000	196,000	5,000
Sales/marketing	104,000	S	9,000	5,000	5,000	85,000	S
Male	71,000	S	6,000	3,000	2,000	59,000	S
Female	33,000	S	3,000	1,000	2,000	26,000	S
Social services/related	283,000	S	9,000	28,000	14,000	228,000	4,000
Male	110,000	S	4,000	11,000	5,000	89,000	1,000
Female	173,000	S	5,000	17,000	9,000	139,000	3,000
Other non-S&E fields	262,000	2,000	15,000	23,000	11,000	206,000	4,000
Male	138,000	S	7,000	7,000	5,000	115,000	3,000
Female	125,000	S	8,000	16,000	6,000	91,000	2,000
Doctorate degrees	1,026,000	2,000	163,000	37,000	34,000	778,000	12,000
Male	726,000	1,000	124,000	21,000	20,000	552,000	7,000
Female	300,000	1,000	39,000	16,000	13,000	226,000	4,000
S&E fields	796,000	1,000	143,000	23,000	23,000	596,000	9,000
Male	590,000	1,000	112,000	13,000	15,000	443,000	6,000
Female	206,000	*	31,000	10,000	8,000	153,000	3,000
Sciences	656,000	1,000	98,000	21,000	20,000	508,000	7,000

TABLE 11. U.S. scientists and engineers, by level and field of highest degree, sex, and race/ethnicity: 2003

Level and field of highest degree and sex	All scientists and engineers	Race/ethnicity ^a					
		American Indian/Alaska Native	Asian	Black	Hispanic	White	Other
Male	462,000	1,000	71,000	11,000	12,000	362,000	5,000
Female	194,000	*	27,000	10,000	8,000	147,000	3,000
Biological/agricultural/environmental life sciences	221,000	*	42,000	6,000	8,000	162,000	3,000
Male	151,000	*	28,000	4,000	5,000	111,000	2,000
Female	71,000	*	13,000	3,000	2,000	51,000	1,000
Agricultural/food sciences	23,000	S	4,000	1,000	1,000	17,000	*
Male	19,000	S	2,000	1,000	1,000	14,000	*
Female	4,000	S	1,000	*	*	3,000	S
Biological sciences	191,000	*	38,000	6,000	6,000	139,000	2,000
Male	126,000	*	26,000	3,000	4,000	92,000	1,000
Female	65,000	*	12,000	3,000	2,000	47,000	1,000
Environmental life sciences	7,000	S	1,000	*	*	6,000	S
Male	5,000	S	*	*	*	5,000	S
Female	1,000	S	*	S	*	1,000	S
Computer/mathematical sciences	57,000	S	13,000	3,000	2,000	40,000	*
Male	47,000	S	11,000	1,000	1,000	34,000	*
Female	10,000	S	2,000	2,000	*	6,000	*
Computer/information sciences	18,000	S	6,000	1,000	1,000	11,000	*
Male	15,000	S	5,000	*	*	9,000	*
Female	3,000	S	1,000	*	*	2,000	S
Mathematical sciences	39,000	S	7,000	3,000	1,000	29,000	*
Male	32,000	S	6,000	1,000	1,000	24,000	*
Female	8,000	S	1,000	2,000	*	4,000	*
Physical/related sciences	167,000	*	31,000	2,000	3,000	129,000	2,000
Male	142,000	*	24,000	2,000	2,000	113,000	1,000
Female	24,000	S	6,000	*	1,000	16,000	*
Chemistry, except biochemistry	86,000	*	18,000	1,000	2,000	64,000	1,000
Male	71,000	*	14,000	1,000	1,000	54,000	1,000
Female	15,000	S	4,000	*	1,000	10,000	*
Earth/atmospheric/ocean sciences	21,000	S	2,000	*	*	18,000	*
Male	18,000	S	2,000	*	*	16,000	*
Female	3,000	S	1,000	S	*	3,000	S
Physics/astronomy	55,000	S	10,000	1,000	1,000	43,000	*
Male	50,000	S	9,000	*	1,000	40,000	*
Female	5,000	S	2,000	*	*	3,000	S
Other physical sciences	4,000	S	*	S	S	4,000	S
Male	4,000	S	*	S	S	3,000	S
Female	1,000	S	*	S	S	*	S
Social/related sciences	211,000	1,000	13,000	9,000	8,000	177,000	3,000
Male	122,000	*	8,000	5,000	4,000	104,000	1,000
Female	89,000	*	6,000	4,000	4,000	73,000	1,000
Economics	28,000	S	4,000	1,000	1,000	22,000	*
Male	23,000	S	3,000	1,000	1,000	18,000	*
Female	5,000	S	1,000	*	*	4,000	S
Political/related sciences	24,000	S	2,000	2,000	1,000	19,000	*
Male	17,000	S	1,000	2,000	*	15,000	*
Female	7,000	S	1,000	*	*	5,000	*

TABLE 11. U.S. scientists and engineers, by level and field of highest degree, sex, and race/ethnicity: 2003

Level and field of highest degree and sex	All scientists and engineers	Race/ethnicity ^a					
		American Indian/Alaska Native	Asian	Black	Hispanic	White	Other
Psychology	108,000	*	3,000	4,000	4,000	95,000	1,000
Male	53,000	*	1,000	1,000	1,000	49,000	1,000
Female	55,000	*	2,000	2,000	3,000	47,000	1,000
Sociology/anthropology	31,000	*	1,000	1,000	1,000	26,000	*
Male	16,000	S	1,000	1,000	1,000	13,000	*
Female	14,000	S	1,000	1,000	1,000	12,000	*
Other social sciences	21,000	*	3,000	1,000	1,000	16,000	*
Male	13,000	S	2,000	1,000	1,000	9,000	*
Female	8,000	*	1,000	*	*	6,000	*
Engineering	140,000	S	45,000	2,000	3,000	88,000	1,000
Male	129,000	S	41,000	2,000	3,000	82,000	1,000
Female	12,000	S	4,000	*	*	7,000	*
Aerospace/related engineering	7,000	S	2,000	*	*	4,000	S
Male	7,000	S	2,000	*	*	4,000	S
Female	*	S	S	S	S	*	S
Chemical engineering	19,000	S	6,000	*	1,000	12,000	*
Male	17,000	S	6,000	*	1,000	11,000	*
Female	2,000	S	1,000	*	*	1,000	S
Civil/architectural engineering	12,000	S	3,000	*	*	8,000	*
Male	11,000	S	3,000	*	*	7,000	*
Female	1,000	S	*	S	S	*	S
Electrical/computer engineering	41,000	S	14,000	1,000	1,000	25,000	*
Male	38,000	S	13,000	1,000	1,000	23,000	*
Female	3,000	S	1,000	*	*	1,000	S
Industrial engineering	4,000	S	1,000	*	*	2,000	S
Male	3,000	S	1,000	*	*	2,000	S
Female	1,000	S	S	*	S	1,000	S
Mechanical engineering	17,000	S	6,000	*	*	10,000	*
Male	16,000	S	6,000	*	*	10,000	*
Female	1,000	S	*	S	S	*	S
Other engineering	40,000	S	12,000	1,000	1,000	27,000	*
Male	36,000	S	10,000	*	1,000	24,000	*
Female	4,000	S	1,000	*	*	3,000	S
S&E-related fields	69,000	*	11,000	3,000	4,000	51,000	1,000
Male	39,000	S	5,000	2,000	2,000	28,000	1,000
Female	31,000	*	5,000	1,000	2,000	23,000	*
Health	46,000	*	9,000	2,000	3,000	31,000	*
Male	21,000	S	4,000	2,000	2,000	13,000	*
Female	25,000	*	4,000	1,000	1,000	19,000	*
Science/mathematics teacher education	12,000	S	S	S	S	11,000	S
Male	8,000	S	S	S	S	8,000	S
Female	4,000	S	S	S	S	4,000	S
Technology/technical fields	4,000	S	1,000	S	S	2,000	S
Male	4,000	S	1,000	S	S	2,000	S
Female	S	S	S	S	S	S	S
Other S&E-related fields	7,000	S	S	S	S	6,000	S
Male	6,000	S	S	S	S	5,000	S

TABLE 11. U.S. scientists and engineers, by level and field of highest degree, sex, and race/ethnicity: 2003

Level and field of highest degree and sex	All scientists and engineers	Race/ethnicity ^a					
		American Indian/Alaska Native	Asian	Black	Hispanic	White	Other
Female	1,000	S	S	S	S	S	S
Non-S&E fields	160,000	S	10,000	11,000	7,000	131,000	2,000
Male	97,000	S	7,000	6,000	3,000	81,000	S
Female	64,000	S	3,000	5,000	4,000	50,000	2,000
Arts/humanities	20,000	S	S	S	1,000	17,000	S
Male	12,000	S	S	S	S	11,000	S
Female	8,000	S	S	S	S	7,000	S
Education, except science/mathematics teacher education	76,000	S	1,000	6,000	4,000	64,000	1,000
Male	43,000	S	S	3,000	1,000	38,000	S
Female	33,000	S	1,000	3,000	2,000	26,000	1,000
Management/administration	17,000	S	5,000	S	S	11,000	S
Male	13,000	S	4,000	S	S	9,000	S
Female	3,000	S	S	S	S	2,000	S
Sales/marketing	2,000	S	1,000	S	S	1,000	S
Male	1,000	S	S	S	S	S	S
Female	1,000	S	S	S	S	S	S
Social services/related	19,000	S	1,000	3,000	S	15,000	S
Male	14,000	S	S	1,000	S	12,000	S
Female	5,000	S	S	1,000	S	4,000	S
Other non-S&E fields	26,000	S	2,000	1,000	1,000	22,000	S
Male	13,000	S	1,000	S	S	11,000	S
Female	13,000	S	S	S	S	12,000	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, 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): 2003.