

TABLE 18. Employed U.S. scientists and engineers, by level of highest degree, occupation, age, and primary/secondary work activity: 2003

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, administration	Computer applications	Other
All degree levels and occupations ^a	18,021,000	4,910,000	3,072,000	10,680,000	2,912,000	7,006,000
<30	2,152,000	760,000	380,000	1,110,000	405,000	769,000
30-39	5,004,000	1,460,000	791,000	2,946,000	953,000	1,843,000
40-49	5,316,000	1,410,000	865,000	3,265,000	883,000	2,067,000
50-59	4,177,000	948,000	773,000	2,582,000	520,000	1,738,000
60+	1,372,000	333,000	263,000	777,000	152,000	589,000
S&E occupations	4,817,000	2,689,000	437,000	2,312,000	1,703,000	900,000
<30	681,000	457,000	59,000	244,000	253,000	111,000
30-39	1,503,000	848,000	96,000	733,000	611,000	241,000
40-49	1,453,000	781,000	112,000	750,000	527,000	266,000
50-59	880,000	439,000	106,000	457,000	258,000	206,000
60+	300,000	164,000	62,000	129,000	54,000	77,000
Scientists	3,262,000	1,664,000	389,000	1,428,000	1,450,000	599,000
<30	477,000	302,000	55,000	159,000	204,000	75,000
30-39	1,053,000	553,000	85,000	469,000	531,000	163,000
40-49	969,000	473,000	97,000	461,000	458,000	170,000
50-59	583,000	252,000	96,000	277,000	217,000	138,000
60+	180,000	84,000	55,000	61,000	41,000	53,000
Biological/agricultural/other life scientists	444,000	328,000	66,000	176,000	26,000	92,000
<30	84,000	70,000	11,000	19,000	7,000	14,000
30-39	116,000	92,000	12,000	44,000	7,000	22,000
40-49	130,000	98,000	19,000	59,000	7,000	26,000
50-59	85,000	51,000	16,000	42,000	4,000	21,000
60+	29,000	17,000	9,000	11,000	1,000	8,000
Agricultural/food scientists	48,000	35,000	3,000	22,000	2,000	11,000
<30	7,000	5,000	S	3,000	S	1,000
30-39	9,000	8,000	1,000	4,000	1,000	2,000
40-49	17,000	13,000	1,000	9,000	*	3,000
50-59	12,000	6,000	S	5,000	1,000	4,000
60+	3,000	2,000	S	2,000	S	1,000
Biological/medical scientists	298,000	248,000	12,000	113,000	16,000	62,000
<30	65,000	59,000	4,000	12,000	5,000	11,000
30-39	90,000	77,000	2,000	35,000	5,000	18,000
40-49	82,000	67,000	2,000	37,000	4,000	18,000
50-59	45,000	34,000	1,000	24,000	2,000	11,000
60+	16,000	12,000	2,000	6,000	1,000	5,000
Environmental life scientists	39,000	13,000	1,000	27,000	6,000	14,000
<30	5,000	2,000	S	3,000	1,000	1,000
30-39	6,000	2,000	S	3,000	S	2,000
40-49	14,000	6,000	S	9,000	2,000	4,000
50-59	13,000	3,000	S	10,000	2,000	5,000
60+	2,000	*	S	2,000	S	S
Postsecondary teachers-life/related sciences	57,000	32,000	51,000	14,000	1,000	5,000
<30	8,000	5,000	7,000	2,000	S	S
30-39	10,000	6,000	8,000	2,000	S	1,000
40-49	17,000	11,000	15,000	4,000	*	1,000
50-59	15,000	8,000	13,000	3,000	S	1,000
60+	7,000	3,000	7,000	2,000	S	1,000
Computer/mathematical scientists	2,008,000	896,000	144,000	921,000	1,363,000	198,000
<30	267,000	144,000	20,000	97,000	187,000	23,000
30-39	740,000	346,000	34,000	344,000	509,000	72,000

TABLE 18. Employed U.S. scientists and engineers, by level of highest degree, occupation, age, and primary/secondary work activity: 2003

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, administration	Computer applications	Other
40-49	622,000	262,000	35,000	303,000	433,000	58,000
50-59	313,000	117,000	37,000	152,000	198,000	38,000
60+	67,000	27,000	17,000	25,000	35,000	7,000
Computer/information scientists	1,849,000	817,000	53,000	882,000	1,316,000	179,000
<30	248,000	133,000	10,000	94,000	180,000	20,000
30-39	698,000	321,000	13,000	334,000	497,000	69,000
40-49	580,000	245,000	15,000	290,000	418,000	51,000
50-59	274,000	99,000	12,000	141,000	188,000	33,000
60+	48,000	20,000	3,000	22,000	32,000	5,000
Mathematical scientists	67,000	44,000	3,000	27,000	29,000	12,000
<30	9,000	6,000	S	2,000	6,000	2,000
30-39	20,000	16,000	*	7,000	9,000	2,000
40-49	20,000	9,000	*	9,000	9,000	6,000
50-59	15,000	11,000	2,000	7,000	5,000	2,000
60+	4,000	3,000	S	1,000	2,000	1,000
Postsecondary teachers-computer/mathematical sciences	92,000	34,000	88,000	12,000	18,000	7,000
<30	10,000	5,000	10,000	1,000	1,000	1,000
30-39	22,000	9,000	21,000	2,000	4,000	1,000
40-49	22,000	9,000	21,000	3,000	6,000	1,000
50-59	24,000	7,000	23,000	4,000	5,000	3,000
60+	14,000	4,000	14,000	2,000	2,000	2,000
Physical/related scientists	315,000	218,000	53,000	118,000	35,000	79,000
<30	48,000	36,000	9,000	13,000	5,000	13,000
30-39	81,000	58,000	12,000	31,000	8,000	18,000
40-49	96,000	65,000	13,000	40,000	11,000	25,000
50-59	63,000	41,000	10,000	27,000	8,000	15,000
60+	28,000	17,000	8,000	7,000	3,000	8,000
Chemists, except biochemists	124,000	90,000	1,000	55,000	8,000	36,000
<30	24,000	19,000	S	8,000	2,000	7,000
30-39	35,000	25,000	*	15,000	2,000	10,000
40-49	35,000	25,000	*	18,000	2,000	11,000
50-59	22,000	16,000	*	13,000	1,000	6,000
60+	8,000	6,000	*	2,000	*	3,000
Earth/atmospheric/ocean scientists	71,000	52,000	1,000	26,000	15,000	19,000
<30	6,000	5,000	S	2,000	1,000	2,000
30-39	14,000	9,000	1,000	6,000	4,000	4,000
40-49	29,000	23,000	S	10,000	6,000	6,000
50-59	17,000	11,000	S	7,000	4,000	5,000
60+	5,000	4,000	*	1,000	1,000	2,000
Physicists/astronomers	31,000	25,000	1,000	8,000	7,000	4,000
<30	4,000	3,000	S	*	1,000	1,000
30-39	9,000	8,000	*	2,000	2,000	1,000
40-49	7,000	6,000	*	3,000	1,000	1,000
50-59	7,000	5,000	S	2,000	2,000	1,000
60+	4,000	3,000	*	1,000	1,000	1,000
Postsecondary teachers-physical/related sciences	52,000	29,000	49,000	9,000	2,000	5,000
<30	9,000	5,000	9,000	1,000	*	2,000
30-39	11,000	7,000	10,000	3,000	*	*
40-49	13,000	8,000	12,000	2,000	*	2,000

TABLE 18. Employed U.S. scientists and engineers, by level of highest degree, occupation, age, and primary/secondary work activity: 2003

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, administration	Computer applications	Other
50-59	10,000	5,000	9,000	2,000	*	*
60+	9,000	4,000	8,000	2,000	1,000	1,000
Other physical/related scientists	37,000	22,000	1,000	18,000	3,000	14,000
<30	5,000	3,000	S	2,000	1,000	3,000
30-39	12,000	10,000	1,000	5,000	1,000	3,000
40-49	12,000	4,000	S	7,000	S	5,000
50-59	7,000	5,000	S	3,000	S	3,000
60+	2,000	1,000	S	S	S	1,000
Social/related scientists	495,000	222,000	126,000	214,000	25,000	230,000
<30	76,000	52,000	14,000	30,000	5,000	25,000
30-39	117,000	58,000	27,000	51,000	6,000	51,000
40-49	122,000	48,000	30,000	60,000	7,000	60,000
50-59	123,000	42,000	33,000	55,000	6,000	64,000
60+	57,000	23,000	21,000	17,000	2,000	30,000
Economists	35,000	23,000	2,000	17,000	3,000	10,000
<30	6,000	5,000	S	2,000	1,000	2,000
30-39	10,000	7,000	*	6,000	1,000	2,000
40-49	7,000	5,000	S	3,000	1,000	2,000
50-59	9,000	6,000	1,000	5,000	S	3,000
60+	3,000	1,000	S	1,000	S	1,000
Political/related scientists	14,000	8,000	*	8,000	S	5,000
<30	6,000	5,000	S	2,000	S	2,000
30-39	4,000	2,000	S	2,000	S	2,000
40-49	2,000	1,000	S	1,000	S	S
50-59	2,000	*	S	2,000	S	1,000
60+	1,000	*	S	*	S	*
Postsecondary teachers-social/related sciences	106,000	60,000	100,000	18,000	3,000	14,000
<30	11,000	6,000	10,000	2,000	S	1,000
30-39	21,000	14,000	21,000	3,000	S	2,000
40-49	26,000	14,000	25,000	5,000	1,000	4,000
50-59	28,000	15,000	26,000	5,000	1,000	4,000
60+	19,000	11,000	18,000	3,000	*	3,000
Psychologists	181,000	47,000	20,000	68,000	5,000	150,000
<30	22,000	15,000	4,000	4,000	S	11,000
30-39	39,000	12,000	6,000	13,000	2,000	32,000
40-49	43,000	9,000	4,000	20,000	1,000	38,000
50-59	53,000	8,000	5,000	24,000	2,000	47,000
60+	23,000	3,000	2,000	7,000	*	22,000
Sociologists/anthropologists	22,000	18,000	1,000	10,000	2,000	5,000
<30	3,000	3,000	S	1,000	S	S
30-39	5,000	5,000	S	3,000	S	*
40-49	7,000	5,000	*	5,000	S	3,000
50-59	3,000	3,000	S	2,000	S	*
60+	3,000	3,000	S	*	S	1,000
Other social/related scientists	138,000	66,000	2,000	92,000	12,000	46,000
<30	28,000	19,000	S	19,000	1,000	9,000
30-39	38,000	19,000	*	24,000	3,000	13,000
40-49	36,000	14,000	S	26,000	4,000	14,000
50-59	27,000	11,000	1,000	17,000	3,000	8,000
60+	8,000	4,000	S	5,000	S	2,000

TABLE 18. Employed U.S. scientists and engineers, by level of highest degree, occupation, age, and primary/secondary work activity: 2003

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, administration	Computer applications	Other
Engineers	1,555,000	1,024,000	48,000	885,000	253,000	301,000
<30	205,000	154,000	5,000	85,000	49,000	36,000
30-39	449,000	295,000	11,000	263,000	80,000	77,000
40-49	484,000	308,000	15,000	289,000	70,000	96,000
50-59	297,000	188,000	10,000	180,000	42,000	68,000
60+	120,000	80,000	7,000	68,000	13,000	24,000
Aerospace/aeronautical/astronautical engineers	95,000	72,000	2,000	47,000	19,000	14,000
<30	9,000	8,000	S	2,000	4,000	1,000
30-39	18,000	15,000	S	8,000	3,000	3,000
40-49	37,000	24,000	S	21,000	6,000	6,000
50-59	20,000	15,000	S	10,000	5,000	3,000
60+	11,000	10,000	S	6,000	1,000	1,000
Chemical engineers	75,000	54,000	1,000	37,000	9,000	21,000
<30	15,000	10,000	S	7,000	2,000	5,000
30-39	21,000	16,000	S	11,000	3,000	4,000
40-49	20,000	13,000	S	9,000	3,000	7,000
50-59	15,000	12,000	S	8,000	2,000	4,000
60+	4,000	3,000	S	2,000	S	1,000
Civil/architectural/sanitary engineers	247,000	127,000	2,000	179,000	37,000	54,000
<30	35,000	23,000	S	19,000	8,000	6,000
30-39	69,000	35,000	S	53,000	11,000	13,000
40-49	71,000	35,000	1,000	52,000	10,000	15,000
50-59	49,000	23,000	S	37,000	6,000	13,000
60+	24,000	11,000	S	17,000	2,000	9,000
Electrical/computer hardware engineers	367,000	282,000	3,000	159,000	101,000	49,000
<30	48,000	40,000	S	13,000	19,000	5,000
30-39	110,000	83,000	*	46,000	35,000	13,000
40-49	119,000	91,000	2,000	56,000	29,000	16,000
50-59	67,000	51,000	1,000	33,000	15,000	11,000
60+	23,000	17,000	S	12,000	4,000	3,000
Industrial engineers	86,000	49,000	1,000	58,000	10,000	24,000
<30	10,000	7,000	S	6,000	2,000	3,000
30-39	32,000	20,000	S	21,000	3,000	6,000
40-49	24,000	13,000	S	16,000	2,000	9,000
50-59	16,000	7,000	S	13,000	2,000	4,000
60+	4,000	2,000	S	3,000	S	2,000
Mechanical engineers	272,000	216,000	2,000	142,000	30,000	44,000
<30	39,000	32,000	S	14,000	7,000	7,000
30-39	85,000	69,000	S	45,000	9,000	12,000
40-49	81,000	62,000	1,000	45,000	8,000	13,000
50-59	46,000	35,000	1,000	28,000	4,000	9,000
60+	22,000	18,000	*	11,000	2,000	3,000
Postsecondary teachers-engineering	33,000	21,000	30,000	6,000	2,000	2,000
<30	5,000	3,000	4,000	1,000	S	1,000
30-39	7,000	5,000	6,000	1,000	*	S
40-49	9,000	6,000	8,000	2,000	1,000	*
50-59	7,000	5,000	7,000	1,000	*	*
60+	6,000	3,000	5,000	1,000	1,000	*
Other engineers	380,000	204,000	7,000	256,000	46,000	95,000
<30	44,000	31,000	S	23,000	7,000	9,000
30-39	108,000	53,000	3,000	79,000	16,000	26,000

TABLE 18. Employed U.S. scientists and engineers, by level of highest degree, occupation, age, and primary/secondary work activity: 2003

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, administration	Computer applications	Other
40-49	123,000	64,000	2,000	88,000	11,000	30,000
50-59	77,000	41,000	1,000	51,000	8,000	23,000
60+	27,000	15,000	1,000	16,000	3,000	6,000
S&E-related occupations	5,331,000	1,046,000	1,496,000	2,451,000	591,000	3,316,000
<30	564,000	149,000	182,000	204,000	68,000	341,000
30-39	1,461,000	308,000	413,000	669,000	180,000	901,000
40-49	1,677,000	297,000	425,000	834,000	180,000	1,076,000
50-59	1,252,000	223,000	372,000	589,000	128,000	753,000
60+	377,000	69,000	105,000	155,000	35,000	244,000
Health-related occupations	3,515,000	485,000	781,000	1,499,000	154,000	2,980,000
<30	374,000	68,000	93,000	131,000	17,000	317,000
30-39	956,000	138,000	214,000	401,000	41,000	813,000
40-49	1,132,000	143,000	250,000	510,000	46,000	964,000
50-59	797,000	103,000	169,000	359,000	37,000	666,000
60+	257,000	33,000	54,000	97,000	12,000	221,000
S&E managers	386,000	84,000	5,000	374,000	69,000	73,000
<30	9,000	2,000	S	9,000	2,000	S
30-39	95,000	27,000	2,000	89,000	23,000	17,000
40-49	151,000	30,000	1,000	148,000	28,000	31,000
50-59	106,000	21,000	S	104,000	11,000	20,000
60+	25,000	4,000	S	25,000	4,000	5,000
S&E precollege teachers	716,000	124,000	698,000	242,000	73,000	63,000
<30	88,000	22,000	87,000	29,000	6,000	4,000
30-39	195,000	33,000	194,000	80,000	14,000	15,000
40-49	177,000	30,000	170,000	63,000	19,000	17,000
50-59	204,000	31,000	198,000	58,000	26,000	20,000
60+	52,000	8,000	49,000	11,000	8,000	6,000
S&E technicians/technologists	500,000	226,000	11,000	197,000	265,000	131,000
<30	76,000	45,000	2,000	26,000	36,000	16,000
30-39	144,000	67,000	2,000	54,000	89,000	36,000
40-49	158,000	62,000	3,000	71,000	82,000	42,000
50-59	101,000	42,000	3,000	38,000	49,000	33,000
60+	21,000	10,000	S	8,000	9,000	5,000
Other S&E-related occupations	214,000	127,000	S	140,000	30,000	69,000
<30	18,000	12,000	S	8,000	6,000	4,000
30-39	70,000	42,000	S	45,000	13,000	21,000
40-49	59,000	32,000	S	42,000	5,000	22,000
50-59	44,000	27,000	S	30,000	4,000	15,000
60+	23,000	14,000	S	14,000	2,000	7,000
Non-S&E occupations	7,873,000	1,175,000	1,140,000	5,916,000	618,000	2,790,000
<30	906,000	154,000	139,000	662,000	84,000	316,000
30-39	2,041,000	304,000	282,000	1,545,000	162,000	701,000
40-49	2,185,000	332,000	328,000	1,681,000	175,000	726,000
50-59	2,046,000	285,000	295,000	1,537,000	134,000	779,000
60+	695,000	101,000	96,000	492,000	64,000	268,000
Art/humanities/related occupations	248,000	89,000	14,000	161,000	38,000	100,000
<30	28,000	8,000	5,000	21,000	6,000	8,000
30-39	76,000	28,000	*	54,000	16,000	22,000
40-49	64,000	24,000	4,000	42,000	6,000	26,000
50-59	58,000	23,000	3,000	32,000	7,000	33,000
60+	22,000	6,000	2,000	13,000	3,000	10,000

TABLE 18. Employed U.S. scientists and engineers, by level of highest degree, occupation, age, and primary/secondary work activity: 2003

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, administration	Computer applications	Other
Management-related occupations	1,310,000	212,000	45,000	1,176,000	137,000	329,000
<30	133,000	29,000	1,000	123,000	14,000	26,000
30-39	357,000	53,000	10,000	323,000	28,000	86,000
40-49	385,000	55,000	15,000	351,000	48,000	87,000
50-59	331,000	55,000	13,000	292,000	34,000	97,000
60+	104,000	19,000	5,000	87,000	14,000	33,000
Non-S&E managers	922,000	142,000	24,000	890,000	46,000	144,000
<30	17,000	2,000	S	17,000	S	1,000
30-39	186,000	25,000	4,000	179,000	11,000	27,000
40-49	331,000	55,000	7,000	320,000	19,000	49,000
50-59	304,000	39,000	11,000	295,000	10,000	56,000
60+	84,000	20,000	2,000	79,000	5,000	11,000
Non-S&E postsecondary teachers	140,000	51,000	122,000	44,000	9,000	24,000
<30	14,000	6,000	12,000	3,000	2,000	2,000
30-39	24,000	11,000	19,000	7,000	1,000	5,000
40-49	38,000	14,000	35,000	13,000	2,000	6,000
50-59	43,000	14,000	38,000	15,000	4,000	6,000
60+	21,000	6,000	18,000	7,000	1,000	4,000
Non-S&E precollege/other teachers	600,000	83,000	569,000	201,000	29,000	77,000
<30	73,000	15,000	69,000	29,000	S	8,000
30-39	158,000	21,000	154,000	49,000	7,000	19,000
40-49	167,000	24,000	163,000	59,000	10,000	21,000
50-59	160,000	18,000	149,000	51,000	8,000	22,000
60+	42,000	4,000	35,000	13,000	3,000	7,000
Sales/marketing occupations	1,322,000	176,000	29,000	1,271,000	85,000	208,000
<30	157,000	22,000	2,000	151,000	12,000	21,000
30-39	387,000	58,000	9,000	377,000	20,000	44,000
40-49	323,000	45,000	7,000	309,000	20,000	51,000
50-59	319,000	36,000	5,000	308,000	16,000	63,000
60+	137,000	16,000	6,000	127,000	16,000	29,000
Social services/related occupations	621,000	59,000	158,000	289,000	40,000	505,000
<30	106,000	11,000	24,000	53,000	7,000	85,000
30-39	166,000	16,000	42,000	74,000	16,000	135,000
40-49	147,000	17,000	42,000	66,000	8,000	113,000
50-59	155,000	9,000	37,000	79,000	8,000	129,000
60+	48,000	6,000	12,000	16,000	S	42,000
Other non-S&E occupations	2,711,000	364,000	180,000	1,884,000	234,000	1,402,000
<30	378,000	61,000	24,000	265,000	42,000	163,000
30-39	687,000	91,000	46,000	483,000	63,000	363,000
40-49	731,000	97,000	54,000	521,000	63,000	372,000
50-59	677,000	90,000	39,000	465,000	46,000	373,000
60+	238,000	25,000	17,000	151,000	20,000	131,000
Bachelor's degrees, all occupations	10,490,000	2,722,000	1,398,000	6,573,000	1,991,000	3,674,000
<30	1,633,000	551,000	254,000	906,000	329,000	526,000
30-39	3,064,000	817,000	394,000	1,913,000	655,000	1,024,000
40-49	3,071,000	751,000	393,000	1,984,000	606,000	1,084,000
50-59	2,135,000	464,000	282,000	1,400,000	322,000	823,000
60+	587,000	138,000	74,000	370,000	79,000	218,000
S&E occupations	2,786,000	1,471,000	117,000	1,457,000	1,142,000	495,000
<30	507,000	334,000	36,000	193,000	194,000	83,000

TABLE 18. Employed U.S. scientists and engineers, by level of highest degree, occupation, age, and primary/secondary work activity: 2003

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, administration	Computer applications	Other
30-39	906,000	464,000	26,000	495,000	412,000	147,000
40-49	828,000	407,000	30,000	461,000	357,000	144,000
50-59	432,000	204,000	17,000	248,000	154,000	95,000
60+	113,000	62,000	8,000	59,000	24,000	26,000
Scientists	1,777,000	841,000	99,000	847,000	975,000	284,000
<30	351,000	220,000	33,000	124,000	157,000	55,000
30-39	611,000	285,000	22,000	304,000	361,000	90,000
40-49	515,000	217,000	24,000	267,000	310,000	79,000
50-59	251,000	97,000	14,000	133,000	129,000	49,000
60+	48,000	21,000	6,000	20,000	19,000	11,000
Biological/agricultural/other life scientists	182,000	117,000	14,000	79,000	14,000	53,000
<30	64,000	53,000	7,000	15,000	5,000	12,000
30-39	39,000	26,000	2,000	17,000	3,000	12,000
40-49	46,000	25,000	3,000	26,000	4,000	15,000
50-59	28,000	11,000	S	19,000	2,000	11,000
60+	5,000	2,000	S	3,000	S	2,000
Agricultural/food scientists	26,000	16,000	2,000	12,000	1,000	7,000
<30	5,000	4,000	S	2,000	S	1,000
30-39	5,000	4,000	S	2,000	S	S
40-49	8,000	5,000	S	4,000	S	2,000
50-59	6,000	3,000	S	3,000	S	3,000
60+	2,000	S	S	1,000	S	S
Biological/medical scientists	118,000	89,000	5,000	44,000	8,000	34,000
<30	50,000	45,000	3,000	10,000	4,000	10,000
30-39	28,000	21,000	S	12,000	2,000	9,000
40-49	25,000	15,000	S	13,000	1,000	9,000
50-59	13,000	8,000	S	9,000	1,000	5,000
60+	2,000	1,000	S	S	S	1,000
Environmental life scientists	29,000	7,000	S	20,000	5,000	11,000
<30	4,000	1,000	S	2,000	S	1,000
30-39	4,000	1,000	S	2,000	S	2,000
40-49	11,000	4,000	S	8,000	2,000	4,000
50-59	9,000	1,000	S	7,000	1,000	3,000
60+	S	S	S	S	S	S
Postsecondary teachers-life/related sciences	9,000	5,000	7,000	3,000	S	S
<30	5,000	3,000	4,000	S	S	S
30-39	1,000	S	S	S	S	S
40-49	2,000	S	S	S	S	S
50-59	S	S	S	S	S	S
60+	S	S	S	S	S	S
Computer/mathematical scientists	1,332,000	569,000	60,000	644,000	935,000	140,000
<30	207,000	110,000	14,000	77,000	145,000	20,000
30-39	509,000	222,000	16,000	257,000	353,000	55,000
40-49	409,000	161,000	17,000	208,000	299,000	39,000
50-59	177,000	63,000	10,000	89,000	120,000	22,000
60+	30,000	12,000	4,000	13,000	18,000	4,000
Computer/information scientists	1,282,000	547,000	40,000	628,000	912,000	132,000
<30	195,000	105,000	9,000	75,000	140,000	18,000
30-39	499,000	216,000	12,000	253,000	348,000	54,000
40-49	394,000	157,000	12,000	204,000	289,000	35,000
50-59	167,000	58,000	6,000	85,000	118,000	21,000

TABLE 18. Employed U.S. scientists and engineers, by level of highest degree, occupation, age, and primary/secondary work activity: 2003

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, administration	Computer applications	Other
60+	27,000	10,000	2,000	12,000	17,000	3,000
Mathematical scientists	29,000	16,000	1,000	14,000	13,000	7,000
<30	6,000	4,000	S	2,000	4,000	S
30-39	6,000	5,000	S	4,000	2,000	S
40-49	9,000	2,000	S	4,000	6,000	4,000
50-59	6,000	5,000	S	4,000	1,000	1,000
60+	1,000	S	S	S	S	S
Postsecondary teachers-computer/mathematical sciences	21,000	6,000	19,000	2,000	9,000	1,000
<30	6,000	2,000	5,000	1,000	1,000	1,000
30-39	4,000	1,000	4,000	S	2,000	S
40-49	6,000	2,000	5,000	S	4,000	S
50-59	4,000	1,000	4,000	S	2,000	S
60+	2,000	S	2,000	S	S	S
Physical/related scientists	139,000	89,000	11,000	57,000	15,000	50,000
<30	38,000	27,000	6,000	12,000	3,000	12,000
30-39	32,000	21,000	2,000	12,000	3,000	12,000
40-49	40,000	24,000	S	20,000	4,000	16,000
50-59	24,000	14,000	1,000	12,000	3,000	8,000
60+	5,000	4,000	S	1,000	1,000	2,000
Chemists, except biochemists	69,000	45,000	1,000	32,000	6,000	27,000
<30	21,000	16,000	S	8,000	2,000	6,000
30-39	17,000	10,000	S	7,000	1,000	7,000
40-49	18,000	11,000	S	10,000	2,000	8,000
50-59	11,000	6,000	S	7,000	S	4,000
60+	3,000	2,000	S	1,000	S	1,000
Earth/atmospheric/ocean scientists	33,000	23,000	1,000	13,000	7,000	10,000
<30	5,000	4,000	S	1,000	1,000	1,000
30-39	6,000	3,000	S	3,000	1,000	3,000
40-49	13,000	11,000	S	5,000	2,000	3,000
50-59	8,000	5,000	S	3,000	2,000	3,000
60+	2,000	1,000	S	S	S	S
Physicists/astronomers	5,000	4,000	S	1,000	1,000	1,000
<30	2,000	2,000	S	S	1,000	*
30-39	1,000	1,000	S	S	S	S
40-49	1,000	*	S	S	S	S
50-59	1,000	S	S	S	S	S
60+	S	S	S	S	S	S
Postsecondary teachers-physical/related sciences	10,000	5,000	9,000	1,000	S	2,000
<30	6,000	3,000	6,000	1,000	S	1,000
30-39	1,000	1,000	1,000	S	S	S
40-49	S	S	S	S	S	S
50-59	1,000	S	1,000	S	S	S
60+	S	S	S	S	S	S
Other physical/related scientists	22,000	12,000	S	10,000	1,000	10,000
<30	4,000	2,000	S	2,000	S	3,000
30-39	7,000	6,000	S	2,000	S	2,000
40-49	7,000	2,000	S	4,000	S	3,000
50-59	4,000	2,000	S	2,000	S	1,000
60+	S	S	S	S	S	S

TABLE 18. Employed U.S. scientists and engineers, by level of highest degree, occupation, age, and primary/secondary work activity: 2003

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, administration	Computer applications	Other
Social/related scientists	123,000	66,000	13,000	67,000	12,000	41,000
<30	43,000	30,000	6,000	20,000	4,000	10,000
30-39	31,000	16,000	2,000	19,000	S	11,000
40-49	20,000	7,000	3,000	13,000	3,000	9,000
50-59	21,000	9,000	1,000	13,000	3,000	8,000
60+	8,000	4,000	S	3,000	S	3,000
Economists	9,000	5,000	S	4,000	1,000	4,000
<30	3,000	2,000	S	1,000	1,000	1,000
30-39	1,000	S	S	S	S	S
40-49	1,000	S	S	S	S	S
50-59	4,000	S	S	2,000	S	S
60+	S	S	S	S	S	S
Political/related scientists	9,000	5,000	S	4,000	S	3,000
<30	5,000	4,000	S	2,000	S	1,000
30-39	2,000	S	S	S	S	S
40-49	S	S	S	S	S	S
50-59	S	S	S	S	S	S
60+	S	S	S	S	S	S
Postsecondary teachers-social/related sciences	9,000	4,000	9,000	2,000	S	2,000
<30	5,000	2,000	4,000	S	S	S
30-39	1,000	S	1,000	S	S	S
40-49	S	S	S	S	S	S
50-59	S	S	S	S	S	S
60+	S	S	S	S	S	S
Psychologists	14,000	8,000	2,000	3,000	S	5,000
<30	8,000	7,000	1,000	2,000	S	2,000
30-39	2,000	S	S	S	S	1,000
40-49	1,000	S	S	S	S	1,000
50-59	S	S	S	S	S	S
60+	S	S	S	S	S	S
Sociologists/anthropologists	9,000	7,000	S	4,000	S	2,000
<30	3,000	3,000	S	S	S	S
30-39	1,000	1,000	S	S	S	S
40-49	3,000	S	S	3,000	S	S
50-59	S	S	S	S	S	S
60+	S	S	S	S	S	S
Other social/related scientists	74,000	37,000	S	50,000	8,000	25,000
<30	19,000	13,000	S	14,000	S	5,000
30-39	23,000	12,000	S	15,000	S	9,000
40-49	14,000	5,000	S	9,000	S	6,000
50-59	14,000	6,000	S	9,000	2,000	4,000
60+	4,000	S	S	3,000	S	S
Engineers	1,010,000	630,000	18,000	609,000	167,000	211,000
<30	156,000	114,000	3,000	70,000	38,000	29,000
30-39	295,000	179,000	4,000	191,000	50,000	57,000
40-49	313,000	190,000	6,000	194,000	48,000	65,000
50-59	181,000	107,000	4,000	115,000	25,000	46,000
60+	64,000	40,000	1,000	39,000	5,000	15,000
Aerospace/aeronautical/astronautical engineers	53,000	40,000	S	27,000	11,000	8,000

TABLE 18. Employed U.S. scientists and engineers, by level of highest degree, occupation, age, and primary/secondary work activity: 2003

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, administration	Computer applications	Other
<30	6,000	5,000	S	1,000	3,000	1,000
30-39	10,000	8,000	S	5,000	2,000	2,000
40-49	22,000	16,000	S	13,000	4,000	3,000
50-59	11,000	8,000	S	6,000	3,000	2,000
60+	4,000	3,000	S	2,000	S	S
Chemical engineers	45,000	30,000	S	25,000	6,000	13,000
<30	12,000	8,000	S	6,000	2,000	4,000
30-39	13,000	9,000	S	8,000	2,000	2,000
40-49	11,000	7,000	S	6,000	2,000	4,000
50-59	8,000	6,000	S	5,000	1,000	2,000
60+	1,000	1,000	S	1,000	S	S
Civil/architectural/sanitary engineers	174,000	84,000	2,000	130,000	25,000	35,000
<30	26,000	16,000	S	16,000	6,000	4,000
30-39	49,000	23,000	S	40,000	6,000	8,000
40-49	50,000	24,000	S	37,000	8,000	10,000
50-59	33,000	14,000	S	26,000	4,000	8,000
60+	16,000	6,000	S	12,000	1,000	6,000
Electrical/computer hardware engineers	229,000	171,000	2,000	101,000	66,000	36,000
<30	34,000	28,000	S	10,000	14,000	4,000
30-39	67,000	49,000	S	30,000	22,000	9,000
40-49	79,000	59,000	S	36,000	20,000	13,000
50-59	39,000	28,000	S	19,000	8,000	9,000
60+	11,000	7,000	S	6,000	2,000	1,000
Industrial engineers	60,000	31,000	1,000	44,000	6,000	19,000
<30	8,000	5,000	S	4,000	1,000	2,000
30-39	21,000	12,000	S	15,000	2,000	5,000
40-49	17,000	8,000	S	13,000	1,000	7,000
50-59	12,000	5,000	S	10,000	2,000	4,000
60+	2,000	1,000	S	2,000	S	1,000
Mechanical engineers	188,000	147,000	1,000	101,000	19,000	34,000
<30	31,000	25,000	S	12,000	5,000	6,000
30-39	62,000	48,000	S	35,000	5,000	11,000
40-49	51,000	39,000	S	28,000	5,000	9,000
50-59	30,000	22,000	S	17,000	3,000	6,000
60+	15,000	13,000	S	8,000	1,000	3,000
Postsecondary teachers-engineering	5,000	3,000	4,000	1,000	S	1,000
<30	3,000	2,000	2,000	S	S	1,000
30-39	S	S	S	S	S	S
40-49	1,000	S	1,000	S	S	S
50-59	1,000	S	S	S	S	S
60+	S	S	S	S	S	S
Other engineers	255,000	124,000	6,000	181,000	32,000	65,000
<30	36,000	25,000	S	20,000	6,000	7,000
30-39	74,000	30,000	2,000	58,000	11,000	21,000
40-49	82,000	38,000	2,000	61,000	8,000	19,000
50-59	48,000	23,000	1,000	33,000	5,000	15,000
60+	15,000	9,000	S	8,000	1,000	3,000
S&E-related occupations	2,956,000	603,000	740,000	1,388,000	420,000	1,737,000
<30	391,000	106,000	114,000	149,000	58,000	218,000
30-39	856,000	183,000	222,000	393,000	128,000	502,000
40-49	940,000	166,000	215,000	483,000	128,000	571,000

TABLE 18. Employed U.S. scientists and engineers, by level of highest degree, occupation, age, and primary/secondary work activity: 2003

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, administration	Computer applications	Other
50-59	611,000	114,000	152,000	292,000	84,000	357,000
60+	158,000	35,000	37,000	72,000	22,000	89,000
Health-related occupations	1,829,000	231,000	381,000	805,000	113,000	1,501,000
<30	241,000	39,000	54,000	92,000	16,000	198,000
30-39	524,000	68,000	113,000	220,000	30,000	432,000
40-49	595,000	66,000	125,000	282,000	31,000	494,000
50-59	374,000	44,000	74,000	170,000	29,000	302,000
60+	95,000	13,000	16,000	41,000	7,000	76,000
S&E managers	219,000	42,000	3,000	212,000	42,000	40,000
<30	8,000	1,000	S	8,000	2,000	S
30-39	60,000	17,000	S	56,000	13,000	11,000
40-49	91,000	15,000	S	89,000	19,000	18,000
50-59	47,000	6,000	S	46,000	4,000	8,000
60+	13,000	2,000	S	13,000	S	2,000
S&E precollege teachers	357,000	65,000	346,000	117,000	35,000	35,000
<30	59,000	15,000	58,000	19,000	4,000	2,000
30-39	106,000	15,000	105,000	41,000	7,000	11,000
40-49	92,000	19,000	87,000	31,000	9,000	10,000
50-59	78,000	13,000	75,000	23,000	10,000	8,000
60+	22,000	3,000	21,000	4,000	5,000	4,000
S&E technicians/technologists	401,000	175,000	10,000	159,000	208,000	114,000
<30	68,000	40,000	S	24,000	32,000	15,000
30-39	114,000	50,000	2,000	43,000	68,000	32,000
40-49	124,000	46,000	3,000	55,000	66,000	36,000
50-59	80,000	31,000	2,000	31,000	37,000	28,000
60+	15,000	8,000	S	6,000	5,000	4,000
Other S&E-related occupations	149,000	90,000	S	94,000	23,000	46,000
<30	14,000	10,000	S	6,000	5,000	3,000
30-39	52,000	33,000	S	33,000	9,000	17,000
40-49	38,000	20,000	S	25,000	4,000	13,000
50-59	32,000	19,000	S	22,000	3,000	10,000
60+	13,000	8,000	S	8,000	S	2,000
Non-S&E occupations	4,747,000	648,000	541,000	3,728,000	429,000	1,443,000
<30	735,000	112,000	104,000	563,000	76,000	225,000
30-39	1,301,000	170,000	146,000	1,024,000	116,000	375,000
40-49	1,302,000	178,000	148,000	1,040,000	121,000	369,000
50-59	1,091,000	146,000	113,000	861,000	84,000	371,000
60+	317,000	42,000	29,000	239,000	33,000	103,000
Art/humanities/related occupations	160,000	54,000	11,000	113,000	28,000	57,000
<30	26,000	7,000	5,000	20,000	6,000	7,000
30-39	52,000	19,000	S	37,000	12,000	14,000
40-49	37,000	13,000	S	29,000	3,000	14,000
50-59	35,000	13,000	S	20,000	6,000	18,000
60+	10,000	S	S	7,000	S	4,000
Management-related occupations	793,000	119,000	27,000	716,000	85,000	185,000
<30	110,000	22,000	S	102,000	12,000	22,000
30-39	226,000	30,000	8,000	206,000	17,000	48,000
40-49	236,000	30,000	10,000	218,000	30,000	51,000
50-59	174,000	27,000	6,000	154,000	20,000	52,000
60+	47,000	10,000	3,000	37,000	6,000	12,000

TABLE 18. Employed U.S. scientists and engineers, by level of highest degree, occupation, age, and primary/secondary work activity: 2003

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, administration	Computer applications	Other
Non-S&E managers	456,000	63,000	10,000	442,000	28,000	62,000
<30	9,000	1,000	S	9,000	S	1,000
30-39	116,000	14,000	S	110,000	7,000	15,000
40-49	175,000	27,000	4,000	172,000	13,000	20,000
50-59	121,000	11,000	4,000	119,000	4,000	22,000
60+	34,000	10,000	S	32,000	3,000	3,000
Non-S&E postsecondary teachers	26,000	7,000	19,000	10,000	2,000	3,000
<30	8,000	3,000	7,000	2,000	2,000	1,000
30-39	4,000	1,000	1,000	3,000	S	S
40-49	5,000	2,000	4,000	2,000	S	S
50-59	7,000	1,000	6,000	3,000	S	S
60+	2,000	S	1,000	S	S	S
Non-S&E precollege/other teachers	304,000	40,000	288,000	100,000	14,000	35,000
<30	56,000	9,000	52,000	23,000	S	6,000
30-39	91,000	13,000	88,000	27,000	S	9,000
40-49	80,000	12,000	78,000	23,000	6,000	12,000
50-59	63,000	5,000	60,000	19,000	4,000	8,000
60+	14,000	S	10,000	7,000	S	S
Sales/marketing occupations	980,000	118,000	21,000	946,000	63,000	145,000
<30	146,000	19,000	2,000	141,000	12,000	20,000
30-39	288,000	33,000	6,000	280,000	14,000	34,000
40-49	238,000	30,000	5,000	229,000	15,000	34,000
50-59	225,000	28,000	4,000	219,000	11,000	40,000
60+	83,000	7,000	3,000	77,000	10,000	17,000
Social services/related occupations	240,000	21,000	53,000	122,000	24,000	181,000
<30	70,000	7,000	17,000	33,000	6,000	54,000
30-39	69,000	7,000	14,000	31,000	9,000	54,000
40-49	50,000	5,000	9,000	28,000	5,000	34,000
50-59	41,000	S	10,000	27,000	4,000	30,000
60+	10,000	S	4,000	3,000	S	9,000
Other non-S&E occupations	1,789,000	226,000	111,000	1,280,000	185,000	776,000
<30	311,000	42,000	21,000	234,000	38,000	114,000
30-39	456,000	54,000	28,000	330,000	53,000	201,000
40-49	481,000	60,000	34,000	341,000	49,000	204,000
50-59	424,000	59,000	22,000	300,000	35,000	200,000
60+	116,000	10,000	7,000	75,000	11,000	56,000
Master's degrees, all occupations	4,979,000	1,421,000	1,168,000	2,879,000	805,000	1,673,000
<30	386,000	163,000	100,000	165,000	72,000	133,000
30-39	1,303,000	429,000	284,000	728,000	266,000	401,000
40-49	1,471,000	428,000	324,000	888,000	239,000	483,000
50-59	1,370,000	298,000	354,000	835,000	172,000	488,000
60+	449,000	102,000	107,000	263,000	57,000	168,000
S&E occupations	1,424,000	783,000	130,000	669,000	491,000	287,000
<30	158,000	108,000	19,000	48,000	57,000	27,000
30-39	437,000	252,000	31,000	193,000	180,000	75,000
40-49	435,000	236,000	26,000	226,000	147,000	86,000
50-59	296,000	139,000	37,000	157,000	86,000	72,000
60+	98,000	49,000	18,000	45,000	22,000	27,000
Scientists	974,000	470,000	120,000	421,000	417,000	207,000
<30	112,000	69,000	17,000	34,000	46,000	20,000
30-39	310,000	161,000	28,000	128,000	154,000	56,000

TABLE 18. Employed U.S. scientists and engineers, by level of highest degree, occupation, age, and primary/secondary work activity: 2003

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, administration	Computer applications	Other
40-49	295,000	144,000	23,000	140,000	129,000	59,000
50-59	199,000	74,000	35,000	98,000	73,000	52,000
60+	58,000	22,000	16,000	20,000	16,000	21,000
Biological/agricultural/other life scientists	98,000	69,000	15,000	40,000	7,000	20,000
<30	14,000	11,000	3,000	3,000	2,000	1,000
30-39	29,000	21,000	3,000	11,000	2,000	7,000
40-49	28,000	22,000	3,000	13,000	2,000	4,000
50-59	22,000	12,000	5,000	11,000	1,000	5,000
60+	5,000	1,000	1,000	2,000	S	2,000
Agricultural/food scientists	13,000	10,000	S	6,000	1,000	2,000
<30	2,000	1,000	S	1,000	S	S
30-39	3,000	3,000	S	S	S	S
40-49	5,000	5,000	S	3,000	S	S
50-59	3,000	2,000	S	1,000	S	1,000
60+	S	S	S	S	S	S
Biological/medical scientists	63,000	50,000	2,000	25,000	4,000	13,000
<30	9,000	8,000	S	1,000	1,000	1,000
30-39	22,000	17,000	S	8,000	1,000	6,000
40-49	19,000	16,000	S	9,000	1,000	4,000
50-59	11,000	8,000	S	6,000	S	2,000
60+	3,000	1,000	S	S	S	S
Environmental life scientists	9,000	4,000	S	6,000	1,000	3,000
<30	1,000	*	S	*	S	S
30-39	1,000	1,000	S	1,000	S	S
40-49	2,000	1,000	S	1,000	S	S
50-59	4,000	2,000	S	3,000	S	S
60+	S	S	S	S	S	S
Postsecondary teachers-life/related sciences	13,000	4,000	12,000	3,000	S	2,000
<30	3,000	1,000	2,000	S	S	S
30-39	3,000	1,000	3,000	*	S	1,000
40-49	3,000	1,000	2,000	1,000	S	S
50-59	4,000	S	4,000	1,000	S	S
60+	1,000	S	1,000	S	S	S
Computer/mathematical scientists	578,000	266,000	50,000	252,000	387,000	49,000
<30	57,000	30,000	4,000	20,000	41,000	3,000
30-39	204,000	104,000	11,000	82,000	146,000	16,000
40-49	181,000	82,000	9,000	85,000	120,000	15,000
50-59	111,000	40,000	18,000	56,000	67,000	13,000
60+	26,000	10,000	7,000	10,000	14,000	2,000
Computer/information scientists	515,000	241,000	12,000	237,000	371,000	41,000
<30	52,000	28,000	S	19,000	39,000	2,000
30-39	184,000	93,000	1,000	77,000	139,000	14,000
40-49	166,000	77,000	2,000	79,000	117,000	14,000
50-59	95,000	35,000	6,000	52,000	62,000	10,000
60+	18,000	8,000	1,000	9,000	13,000	S
Mathematical scientists	25,000	18,000	2,000	9,000	10,000	4,000
<30	3,000	2,000	S	1,000	1,000	S
30-39	10,000	8,000	S	3,000	5,000	1,000
40-49	7,000	4,000	S	4,000	1,000	2,000
50-59	5,000	3,000	S	2,000	1,000	S
60+	1,000	1,000	S	S	S	S

TABLE 18. Employed U.S. scientists and engineers, by level of highest degree, occupation, age, and primary/secondary work activity: 2003

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, administration	Computer applications	Other
Postsecondary teachers-computer/mathematical sciences	38,000	7,000	37,000	6,000	7,000	4,000
<30	2,000	1,000	2,000	*	1,000	S
30-39	11,000	2,000	10,000	1,000	1,000	S
40-49	7,000	1,000	7,000	2,000	2,000	S
50-59	12,000	2,000	11,000	2,000	3,000	S
60+	6,000	1,000	6,000	1,000	S	1,000
Physical/related scientists	83,000	53,000	12,000	34,000	13,000	19,000
<30	8,000	7,000	2,000	1,000	2,000	1,000
30-39	23,000	14,000	3,000	12,000	3,000	4,000
40-49	27,000	18,000	2,000	11,000	4,000	6,000
50-59	16,000	10,000	2,000	7,000	3,000	4,000
60+	8,000	4,000	2,000	2,000	S	4,000
Chemists, except biochemists	25,000	18,000	S	12,000	1,000	6,000
<30	2,000	2,000	S	*	S	*
30-39	9,000	6,000	S	4,000	S	2,000
40-49	8,000	6,000	S	5,000	S	1,000
50-59	5,000	3,000	S	2,000	S	1,000
60+	2,000	1,000	S	S	S	1,000
Earth/atmospheric/ocean scientists	27,000	19,000	S	10,000	6,000	7,000
<30	2,000	2,000	S	*	*	*
30-39	6,000	4,000	S	3,000	2,000	2,000
40-49	11,000	9,000	S	3,000	3,000	2,000
50-59	6,000	4,000	S	3,000	1,000	1,000
60+	2,000	1,000	S	S	S	2,000
Physicists/astronomers	8,000	5,000	*	3,000	3,000	2,000
<30	1,000	1,000	S	S	*	S
30-39	3,000	1,000	S	1,000	1,000	*
40-49	2,000	1,000	S	S	S	S
50-59	2,000	1,000	S	S	S	S
60+	1,000	S	S	S	S	S
Postsecondary teachers-physical/related sciences	12,000	4,000	12,000	4,000	1,000	1,000
<30	2,000	1,000	2,000	*	S	S
30-39	3,000	1,000	3,000	2,000	S	S
40-49	2,000	S	2,000	S	S	S
50-59	2,000	S	2,000	1,000	S	S
60+	2,000	S	2,000	S	S	S
Other physical/related scientists	10,000	6,000	S	6,000	2,000	3,000
<30	1,000	1,000	S	S	S	S
30-39	3,000	2,000	S	3,000	S	S
40-49	3,000	1,000	S	2,000	S	2,000
50-59	1,000	1,000	S	S	S	S
60+	1,000	S	S	S	S	S
Social/related scientists	215,000	82,000	42,000	94,000	10,000	118,000
<30	32,000	21,000	8,000	10,000	1,000	14,000
30-39	54,000	22,000	11,000	24,000	3,000	29,000
40-49	59,000	21,000	8,000	30,000	3,000	33,000
50-59	50,000	12,000	10,000	24,000	3,000	30,000
60+	20,000	6,000	5,000	6,000	S	12,000

TABLE 18. Employed U.S. scientists and engineers, by level of highest degree, occupation, age, and primary/secondary work activity: 2003

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, administration	Computer applications	Other
Economists	17,000	11,000	S	10,000	1,000	5,000
<30	3,000	3,000	S	1,000	S	S
30-39	7,000	4,000	S	5,000	1,000	2,000
40-49	4,000	2,000	S	2,000	S	S
50-59	3,000	1,000	S	2,000	S	S
60+	S	S	S	S	S	S
Political/related scientists	4,000	2,000	S	3,000	S	1,000
<30	1,000	1,000	S	S	S	S
30-39	1,000	1,000	S	S	S	S
40-49	S	S	S	S	S	S
50-59	S	S	S	S	S	S
60+	S	S	S	S	S	S
Postsecondary teachers-social/related sciences	30,000	14,000	29,000	4,000	2,000	4,000
<30	6,000	3,000	6,000	1,000	S	S
30-39	7,000	4,000	6,000	*	S	1,000
40-49	6,000	2,000	6,000	S	S	1,000
50-59	7,000	2,000	6,000	2,000	S	1,000
60+	5,000	2,000	5,000	1,000	S	1,000
Psychologists	100,000	24,000	12,000	35,000	3,000	88,000
<30	13,000	7,000	2,000	2,000	S	9,000
30-39	25,000	6,000	4,000	9,000	1,000	22,000
40-49	24,000	6,000	2,000	11,000	S	22,000
50-59	27,000	4,000	3,000	11,000	S	25,000
60+	11,000	1,000	S	2,000	S	10,000
Sociologists/anthropologists	8,000	7,000	S	4,000	S	2,000
<30	1,000	1,000	S	S	S	S
30-39	2,000	2,000	S	1,000	S	S
40-49	3,000	3,000	S	1,000	S	2,000
50-59	1,000	1,000	S	1,000	S	S
60+	S	S	S	S	S	S
Other social/related scientists	56,000	24,000	S	38,000	4,000	18,000
<30	9,000	6,000	S	6,000	S	4,000
30-39	12,000	5,000	S	8,000	S	4,000
40-49	20,000	8,000	S	15,000	S	7,000
50-59	11,000	4,000	S	7,000	S	4,000
60+	3,000	2,000	S	2,000	S	S
Engineers	450,000	314,000	10,000	248,000	74,000	80,000
<30	46,000	38,000	1,000	14,000	10,000	7,000
30-39	127,000	91,000	2,000	65,000	26,000	19,000
40-49	140,000	92,000	3,000	85,000	18,000	27,000
50-59	97,000	65,000	2,000	58,000	14,000	20,000
60+	40,000	27,000	2,000	25,000	6,000	6,000
Aerospace/aeronautical/astronautical engineers	37,000	27,000	S	18,000	6,000	6,000
<30	3,000	3,000	S	*	1,000	S
30-39	7,000	5,000	S	3,000	1,000	1,000
40-49	13,000	7,000	S	7,000	2,000	3,000
50-59	8,000	7,000	S	4,000	2,000	S
60+	6,000	5,000	S	4,000	S	S
Chemical engineers	21,000	15,000	S	10,000	2,000	7,000
<30	2,000	2,000	S	1,000	*	1,000

TABLE 18. Employed U.S. scientists and engineers, by level of highest degree, occupation, age, and primary/secondary work activity: 2003

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, administration	Computer applications	Other
30-39	5,000	4,000	S	2,000	1,000	1,000
40-49	6,000	3,000	S	3,000	S	2,000
50-59	5,000	4,000	S	3,000	1,000	2,000
60+	2,000	1,000	S	S	S	S
Civil/architectural/sanitary engineers	68,000	40,000	S	46,000	11,000	18,000
<30	8,000	7,000	S	4,000	2,000	2,000
30-39	18,000	11,000	S	13,000	4,000	4,000
40-49	20,000	10,000	S	15,000	2,000	5,000
50-59	15,000	8,000	S	10,000	1,000	4,000
60+	7,000	4,000	S	4,000	1,000	3,000
Electrical/computer hardware engineers	118,000	92,000	1,000	52,000	31,000	10,000
<30	13,000	11,000	S	3,000	4,000	1,000
30-39	36,000	27,000	S	14,000	12,000	4,000
40-49	34,000	27,000	S	17,000	8,000	2,000
50-59	25,000	20,000	S	13,000	6,000	2,000
60+	9,000	7,000	S	5,000	2,000	1,000
Industrial engineers	23,000	16,000	S	14,000	3,000	4,000
<30	2,000	2,000	S	1,000	1,000	1,000
30-39	10,000	8,000	S	6,000	S	1,000
40-49	5,000	3,000	S	3,000	S	1,000
50-59	3,000	2,000	S	2,000	S	1,000
60+	2,000	1,000	S	S	S	S
Mechanical engineers	74,000	60,000	1,000	39,000	9,000	9,000
<30	8,000	7,000	S	2,000	2,000	1,000
30-39	20,000	18,000	S	9,000	3,000	2,000
40-49	27,000	20,000	S	16,000	3,000	4,000
50-59	14,000	11,000	S	10,000	1,000	2,000
60+	5,000	4,000	S	2,000	S	1,000
Postsecondary teachers-engineering	8,000	4,000	7,000	2,000	1,000	S
<30	1,000	1,000	1,000	S	S	S
30-39	2,000	2,000	2,000	S	S	S
40-49	1,000	1,000	1,000	S	S	S
50-59	1,000	S	1,000	S	S	S
60+	1,000	S	1,000	S	S	S
Other engineers	102,000	61,000	1,000	67,000	11,000	26,000
<30	8,000	6,000	S	3,000	1,000	2,000
30-39	27,000	17,000	S	19,000	4,000	5,000
40-49	34,000	21,000	S	23,000	2,000	10,000
50-59	24,000	14,000	S	16,000	2,000	7,000
60+	9,000	4,000	S	6,000	1,000	2,000
S&E-related occupations	1,228,000	257,000	531,000	557,000	149,000	561,000
<30	104,000	27,000	47,000	34,000	9,000	58,000
30-39	302,000	76,000	130,000	136,000	44,000	128,000
40-49	373,000	76,000	147,000	180,000	47,000	182,000
50-59	361,000	65,000	166,000	170,000	39,000	154,000
60+	87,000	13,000	42,000	37,000	10,000	40,000
Health-related occupations	599,000	97,000	194,000	227,000	28,000	471,000
<30	63,000	12,000	18,000	18,000	1,000	53,000
30-39	144,000	27,000	46,000	48,000	7,000	110,000
40-49	191,000	31,000	67,000	69,000	11,000	151,000
50-59	164,000	23,000	48,000	76,000	6,000	127,000

TABLE 18. Employed U.S. scientists and engineers, by level of highest degree, occupation, age, and primary/secondary work activity: 2003

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, administration	Computer applications	Other
60+	37,000	3,000	15,000	16,000	2,000	30,000
S&E managers	135,000	26,000	S	132,000	26,000	26,000
<30	1,000	1,000	S	1,000	S	S
30-39	31,000	8,000	S	29,000	10,000	5,000
40-49	49,000	8,000	S	48,000	9,000	11,000
50-59	47,000	9,000	S	46,000	7,000	8,000
60+	8,000	S	S	8,000	S	2,000
S&E precollege teachers	341,000	55,000	335,000	120,000	36,000	26,000
<30	29,000	7,000	28,000	10,000	2,000	2,000
30-39	83,000	17,000	83,000	36,000	5,000	5,000
40-49	81,000	11,000	80,000	31,000	10,000	7,000
50-59	119,000	15,000	117,000	35,000	15,000	11,000
60+	29,000	4,000	27,000	7,000	3,000	2,000
S&E technicians/technologists	89,000	44,000	S	36,000	53,000	16,000
<30	7,000	4,000	S	2,000	4,000	2,000
30-39	27,000	14,000	S	10,000	19,000	4,000
40-49	32,000	15,000	S	15,000	15,000	6,000
50-59	19,000	10,000	S	6,000	11,000	4,000
60+	5,000	2,000	S	2,000	4,000	S
Other S&E-related occupations	62,000	34,000	S	43,000	7,000	23,000
<30	4,000	3,000	S	2,000	S	S
30-39	17,000	9,000	S	12,000	4,000	4,000
40-49	20,000	11,000	S	17,000	S	8,000
50-59	12,000	8,000	S	8,000	S	4,000
60+	8,000	4,000	S	4,000	S	5,000
Non-S&E occupations	2,328,000	381,000	506,000	1,652,000	164,000	825,000
<30	123,000	29,000	34,000	82,000	6,000	48,000
30-39	564,000	101,000	124,000	398,000	42,000	199,000
40-49	663,000	116,000	151,000	483,000	46,000	215,000
50-59	713,000	95,000	151,000	508,000	46,000	262,000
60+	264,000	40,000	47,000	181,000	25,000	101,000
Art/humanities/related occupations	74,000	30,000	2,000	41,000	9,000	35,000
<30	2,000	S	S	1,000	S	2,000
30-39	23,000	8,000	S	16,000	4,000	7,000
40-49	23,000	11,000	S	11,000	2,000	11,000
50-59	18,000	8,000	S	9,000	S	11,000
60+	8,000	2,000	S	4,000	S	5,000
Management-related occupations	457,000	80,000	14,000	410,000	50,000	122,000
<30	22,000	7,000	S	21,000	2,000	4,000
30-39	112,000	22,000	2,000	100,000	11,000	33,000
40-49	138,000	23,000	4,000	125,000	17,000	32,000
50-59	137,000	22,000	7,000	122,000	12,000	36,000
60+	48,000	6,000	S	43,000	8,000	17,000
Non-S&E managers	362,000	53,000	10,000	350,000	16,000	62,000
<30	8,000	S	S	7,000	S	S
30-39	63,000	9,000	S	62,000	4,000	10,000
40-49	127,000	19,000	3,000	122,000	5,000	24,000
50-59	135,000	16,000	5,000	131,000	5,000	24,000
60+	29,000	6,000	S	28,000	2,000	4,000
Non-S&E postsecondary teachers	63,000	17,000	55,000	21,000	6,000	13,000

TABLE 18. Employed U.S. scientists and engineers, by level of highest degree, occupation, age, and primary/secondary work activity: 2003

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, administration	Computer applications	Other
<30	6,000	4,000	5,000	1,000	S	1,000
30-39	13,000	4,000	11,000	2,000	1,000	4,000
40-49	18,000	4,000	17,000	9,000	1,000	3,000
50-59	18,000	4,000	16,000	7,000	4,000	3,000
60+	8,000	1,000	7,000	3,000	S	2,000
Non-S&E precollege/other teachers	283,000	39,000	269,000	97,000	15,000	41,000
<30	18,000	6,000	17,000	7,000	S	2,000
30-39	65,000	8,000	64,000	20,000	3,000	10,000
40-49	85,000	12,000	82,000	35,000	4,000	9,000
50-59	89,000	10,000	83,000	30,000	4,000	14,000
60+	26,000	3,000	24,000	5,000	3,000	6,000
Sales/marketing occupations	304,000	48,000	7,000	289,000	20,000	58,000
<30	11,000	2,000	S	10,000	S	1,000
30-39	89,000	22,000	2,000	87,000	5,000	8,000
40-49	73,000	10,000	S	69,000	4,000	16,000
50-59	84,000	7,000	S	80,000	5,000	21,000
60+	47,000	7,000	S	42,000	5,000	11,000
Social services/related occupations	353,000	35,000	89,000	157,000	15,000	303,000
<30	36,000	4,000	7,000	20,000	1,000	31,000
30-39	95,000	9,000	27,000	42,000	7,000	79,000
40-49	87,000	10,000	27,000	37,000	2,000	73,000
50-59	104,000	8,000	23,000	48,000	4,000	92,000
60+	31,000	4,000	5,000	10,000	S	27,000
Other non-S&E occupations	432,000	80,000	60,000	286,000	35,000	191,000
<30	20,000	5,000	4,000	16,000	2,000	6,000
30-39	104,000	19,000	16,000	68,000	8,000	47,000
40-49	112,000	26,000	17,000	76,000	10,000	47,000
50-59	128,000	19,000	16,000	82,000	10,000	61,000
60+	67,000	10,000	7,000	45,000	5,000	29,000
Doctorate degrees, all occupations	885,000	537,000	286,000	363,000	78,000	192,000
<30	17,000	14,000	5,000	4,000	2,000	3,000
30-39	200,000	150,000	53,000	66,000	24,000	30,000
40-49	257,000	168,000	79,000	108,000	24,000	48,000
50-59	261,000	135,000	90,000	123,000	20,000	68,000
60+	149,000	70,000	60,000	63,000	9,000	42,000
S&E occupations	558,000	411,000	183,000	168,000	62,000	96,000
<30	14,000	14,000	4,000	2,000	2,000	1,000
30-39	151,000	127,000	39,000	39,000	19,000	17,000
40-49	171,000	129,000	55,000	57,000	20,000	27,000
50-59	140,000	91,000	51,000	47,000	15,000	32,000
60+	82,000	50,000	36,000	23,000	7,000	19,000
Scientists	465,000	332,000	164,000	142,000	50,000	86,000
<30	12,000	11,000	4,000	2,000	1,000	1,000
30-39	124,000	103,000	34,000	33,000	15,000	14,000
40-49	142,000	104,000	48,000	48,000	16,000	24,000
50-59	121,000	76,000	46,000	41,000	13,000	30,000
60+	66,000	38,000	32,000	18,000	5,000	17,000
Biological/agricultural/other life scientists	148,000	129,000	35,000	51,000	5,000	15,000
<30	5,000	5,000	*	1,000	*	S
30-39	45,000	42,000	7,000	14,000	2,000	3,000
40-49	50,000	45,000	12,000	19,000	2,000	4,000

TABLE 18. Employed U.S. scientists and engineers, by level of highest degree, occupation, age, and primary/secondary work activity: 2003

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, administration	Computer applications	Other
50-59	32,000	26,000	10,000	12,000	1,000	4,000
60+	16,000	11,000	6,000	5,000	*	3,000
Agricultural/food scientists	9,000	8,000	*	4,000	1,000	1,000
<30	*	*	S	S	S	S
30-39	2,000	2,000	*	1,000	S	*
40-49	4,000	3,000	S	2,000	*	1,000
50-59	2,000	2,000	S	1,000	*	*
60+	1,000	1,000	S	1,000	S	*
Biological/medical scientists	103,000	96,000	4,000	39,000	4,000	11,000
<30	5,000	4,000	S	1,000	*	S
30-39	37,000	36,000	1,000	12,000	2,000	3,000
40-49	34,000	32,000	1,000	15,000	1,000	3,000
50-59	19,000	17,000	1,000	9,000	1,000	3,000
60+	8,000	7,000	*	3,000	*	2,000
Environmental life scientists	2,000	2,000	S	1,000	*	*
<30	S	S	S	S	S	S
30-39	*	*	S	S	S	S
40-49	1,000	1,000	S	*	S	S
50-59	1,000	1,000	S	*	S	S
60+	*	S	S	S	S	S
Postsecondary teachers-life/related sciences	34,000	23,000	31,000	7,000	*	2,000
<30	*	S	*	S	S	S
30-39	6,000	4,000	5,000	1,000	S	*
40-49	12,000	9,000	11,000	3,000	S	*
50-59	10,000	7,000	9,000	2,000	S	1,000
60+	6,000	3,000	6,000	1,000	S	1,000
Computer/mathematical scientists	86,000	57,000	33,000	20,000	34,000	7,000
<30	3,000	3,000	2,000	*	1,000	S
30-39	24,000	19,000	7,000	4,000	10,000	1,000
40-49	26,000	17,000	9,000	7,000	11,000	2,000
50-59	22,000	13,000	8,000	7,000	9,000	2,000
60+	11,000	5,000	6,000	2,000	3,000	1,000
Computer/information scientists	43,000	27,000	1,000	13,000	28,000	4,000
<30	*	*	S	S	*	S
30-39	14,000	10,000	S	3,000	9,000	1,000
40-49	14,000	9,000	*	5,000	10,000	1,000
50-59	10,000	6,000	S	4,000	7,000	1,000
60+	3,000	1,000	*	1,000	2,000	*
Mathematical scientists	11,000	10,000	1,000	3,000	4,000	1,000
<30	*	*	S	S	S	S
30-39	3,000	3,000	S	*	1,000	*
40-49	3,000	3,000	*	1,000	1,000	*
50-59	3,000	2,000	*	1,000	1,000	*
60+	1,000	1,000	S	*	1,000	*
Postsecondary teachers-computer/mathematical sciences	33,000	21,000	31,000	4,000	2,000	2,000
<30	2,000	2,000	2,000	S	S	S
30-39	7,000	6,000	7,000	1,000	*	*
40-49	9,000	6,000	8,000	1,000	*	*
50-59	8,000	5,000	8,000	2,000	1,000	*
60+	6,000	3,000	6,000	1,000	1,000	1,000

TABLE 18. Employed U.S. scientists and engineers, by level of highest degree, occupation, age, and primary/secondary work activity: 2003

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, administration	Computer applications	Other
Physical/related scientists	91,000	75,000	29,000	25,000	8,000	9,000
<30	2,000	2,000	*	*	*	*
30-39	25,000	23,000	7,000	6,000	2,000	2,000
40-49	28,000	24,000	9,000	8,000	2,000	3,000
50-59	21,000	17,000	6,000	7,000	2,000	2,000
60+	14,000	10,000	6,000	4,000	1,000	2,000
Chemists, except biochemists	30,000	27,000	*	11,000	1,000	3,000
<30	1,000	1,000	S	*	S	*
30-39	10,000	9,000	S	4,000	*	1,000
40-49	9,000	8,000	*	3,000	*	1,000
50-59	7,000	6,000	S	3,000	*	1,000
60+	3,000	2,000	*	1,000	*	1,000
Earth/atmospheric/ocean scientists	10,000	9,000	*	3,000	2,000	1,000
<30	S	S	S	S	S	S
30-39	2,000	2,000	*	1,000	1,000	*
40-49	3,000	3,000	S	1,000	1,000	*
50-59	3,000	3,000	S	1,000	1,000	1,000
60+	1,000	1,000	*	*	S	*
Physicists/astronomers	17,000	16,000	1,000	4,000	3,000	1,000
<30	*	*	S	S	S	S
30-39	5,000	5,000	*	1,000	1,000	*
40-49	4,000	4,000	*	1,000	1,000	*
50-59	4,000	4,000	S	1,000	1,000	*
60+	3,000	2,000	*	1,000	*	*
Postsecondary teachers-physical/related sciences	30,000	20,000	28,000	5,000	1,000	2,000
<30	*	*	*	S	S	S
30-39	7,000	5,000	6,000	1,000	*	*
40-49	9,000	7,000	9,000	2,000	*	1,000
50-59	6,000	4,000	6,000	1,000	*	*
60+	6,000	3,000	6,000	2,000	*	1,000
Other physical/related scientists	4,000	4,000	S	2,000	*	1,000
<30	S	S	S	S	S	S
30-39	1,000	1,000	S	*	S	*
40-49	1,000	1,000	S	1,000	S	*
50-59	1,000	1,000	S	1,000	S	*
60+	*	*	S	S	S	S
Social/related scientists	140,000	71,000	67,000	45,000	3,000	56,000
<30	1,000	1,000	*	1,000	S	*
30-39	29,000	20,000	14,000	8,000	1,000	8,000
40-49	38,000	19,000	18,000	14,000	1,000	15,000
50-59	46,000	20,000	21,000	16,000	1,000	21,000
60+	26,000	12,000	14,000	7,000	1,000	12,000
Economists	9,000	7,000	*	3,000	1,000	2,000
<30	S	S	S	S	S	S
30-39	2,000	2,000	*	1,000	*	*
40-49	3,000	2,000	S	1,000	*	1,000
50-59	2,000	2,000	S	1,000	S	1,000
60+	1,000	1,000	S	*	S	*
Political/related scientists	2,000	1,000	*	1,000	S	*

TABLE 18. Employed U.S. scientists and engineers, by level of highest degree, occupation, age, and primary/secondary work activity: 2003

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, administration	Computer applications	Other
<30	S	S	S	S	S	S
30-39	*	*	S	*	S	S
40-49	*	*	S	*	S	S
50-59	*	*	S	*	S	*
60+	1,000	*	S	*	S	*
Postsecondary teachers-social/related sciences						
	64,000	41,000	61,000	11,000	1,000	7,000
<30	1,000	*	*	S	S	S
30-39	14,000	10,000	13,000	2,000	S	1,000
40-49	17,000	11,000	16,000	4,000	*	1,000
50-59	20,000	12,000	19,000	3,000	*	2,000
60+	13,000	8,000	12,000	2,000	*	2,000
Psychologists						
	55,000	13,000	5,000	24,000	1,000	45,000
<30	1,000	1,000	S	*	S	*
30-39	10,000	4,000	1,000	4,000	*	6,000
40-49	15,000	3,000	1,000	7,000	*	12,000
50-59	20,000	3,000	2,000	9,000	*	17,000
60+	10,000	2,000	1,000	3,000	*	9,000
Sociologists/anthropologists						
	5,000	4,000	*	2,000	*	1,000
<30	S	S	S	S	S	S
30-39	1,000	1,000	S	*	S	S
40-49	1,000	1,000	*	1,000	S	*
50-59	2,000	2,000	S	1,000	S	*
60+	1,000	*	S	*	S	*
Other social/related scientists						
	6,000	5,000	*	3,000	*	1,000
<30	S	S	S	S	S	S
30-39	2,000	1,000	S	1,000	*	*
40-49	2,000	1,000	S	1,000	S	*
50-59	2,000	2,000	S	1,000	S	*
60+	1,000	1,000	S	*	S	*
Engineers						
	93,000	79,000	19,000	26,000	13,000	9,000
<30	3,000	2,000	*	*	1,000	S
30-39	27,000	24,000	4,000	7,000	4,000	2,000
40-49	30,000	25,000	6,000	9,000	4,000	3,000
50-59	19,000	15,000	5,000	6,000	3,000	2,000
60+	15,000	12,000	4,000	4,000	2,000	2,000
Aerospace/aeronautical/astronautical engineers						
	5,000	5,000	S	1,000	1,000	*
<30	S	S	S	S	S	S
30-39	1,000	1,000	S	*	*	S
40-49	1,000	1,000	S	*	*	S
50-59	1,000	1,000	S	*	*	S
60+	1,000	1,000	S	*	*	S
Chemical engineers						
	9,000	8,000	S	3,000	1,000	1,000
<30	*	*	S	*	S	S
30-39	3,000	2,000	S	1,000	*	*
40-49	3,000	3,000	S	1,000	*	1,000
50-59	2,000	2,000	S	*	*	*
60+	1,000	1,000	S	*	S	S
Civil/architectural/sanitary engineers						
	5,000	4,000	S	3,000	1,000	1,000
<30	S	S	S	S	S	S
30-39	1,000	1,000	S	*	*	*

TABLE 18. Employed U.S. scientists and engineers, by level of highest degree, occupation, age, and primary/secondary work activity: 2003

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, administration	Computer applications	Other
40-49	1,000	1,000	S	1,000	*	*
50-59	1,000	1,000	S	1,000	*	*
60+	1,000	1,000	S	1,000	S	*
Electrical/computer hardware engineers	21,000	19,000	*	6,000	4,000	2,000
<30	1,000	1,000	S	S	*	S
30-39	7,000	7,000	S	2,000	1,000	*
40-49	7,000	6,000	S	2,000	1,000	1,000
50-59	3,000	3,000	S	1,000	1,000	*
60+	3,000	3,000	S	1,000	*	*
Industrial engineers	2,000	2,000	S	1,000	*	*
<30	S	S	S	S	S	S
30-39	*	*	S	*	S	S
40-49	1,000	1,000	S	*	*	S
50-59	*	*	S	*	S	S
60+	*	S	S	S	S	S
Mechanical engineers	10,000	9,000	*	3,000	2,000	1,000
<30	*	*	S	S	S	S
30-39	3,000	3,000	S	1,000	1,000	*
40-49	3,000	3,000	S	1,000	1,000	*
50-59	2,000	1,000	S	1,000	*	*
60+	2,000	1,000	*	*	*	S
Postsecondary teachers-engineering	20,000	15,000	18,000	4,000	1,000	1,000
<30	*	S	*	S	S	S
30-39	4,000	3,000	4,000	1,000	S	S
40-49	6,000	5,000	6,000	1,000	*	*
50-59	5,000	4,000	5,000	1,000	*	*
60+	4,000	3,000	3,000	1,000	*	*
Other engineers	22,000	19,000	*	7,000	3,000	3,000
<30	1,000	1,000	S	S	S	S
30-39	7,000	6,000	S	2,000	1,000	1,000
40-49	7,000	6,000	S	2,000	1,000	1,000
50-59	4,000	4,000	S	2,000	1,000	1,000
60+	3,000	2,000	S	1,000	*	1,000
S&E-related occupations	105,000	48,000	38,000	48,000	9,000	40,000
<30	2,000	*	*	1,000	S	2,000
30-39	20,000	11,000	7,000	7,000	4,000	6,000
40-49	30,000	15,000	9,000	15,000	2,000	10,000
50-59	36,000	15,000	14,000	16,000	3,000	15,000
60+	17,000	7,000	7,000	8,000	1,000	6,000
Health-related occupations	57,000	23,000	27,000	17,000	2,000	33,000
<30	2,000	*	*	1,000	S	2,000
30-39	9,000	5,000	4,000	2,000	*	5,000
40-49	16,000	7,000	7,000	6,000	*	9,000
50-59	19,000	8,000	9,000	5,000	1,000	12,000
60+	10,000	3,000	6,000	3,000	*	5,000
S&E managers	26,000	14,000	*	25,000	1,000	4,000
<30	S	S	S	S	S	S
30-39	4,000	2,000	S	3,000	*	*
40-49	9,000	6,000	S	9,000	*	1,000
50-59	10,000	4,000	S	9,000	*	2,000
60+	4,000	2,000	S	3,000	S	*

TABLE 18. Employed U.S. scientists and engineers, by level of highest degree, occupation, age, and primary/secondary work activity: 2003

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, administration	Computer applications	Other
S&E precollege teachers	12,000	3,000	11,000	2,000	3,000	1,000
<30	S	S	S	S	S	S
30-39	3,000	*	3,000	*	S	S
40-49	2,000	1,000	2,000	1,000	S	S
50-59	5,000	2,000	5,000	1,000	S	S
60+	1,000	S	1,000	*	S	S
S&E technicians/technologists	8,000	6,000	*	2,000	3,000	1,000
<30	S	S	S	S	S	S
30-39	3,000	2,000	S	1,000	1,000	*
40-49	2,000	2,000	S	1,000	1,000	S
50-59	1,000	1,000	S	*	1,000	S
60+	1,000	1,000	S	S	*	S
Other S&E-related occupations	3,000	2,000	S	2,000	S	*
<30	S	S	S	S	S	S
30-39	1,000	1,000	S	S	S	S
40-49	*	S	S	S	S	S
50-59	*	S	S	S	S	S
60+	S	S	S	S	S	S
Non-S&E occupations	222,000	78,000	65,000	147,000	7,000	57,000
<30	*	*	S	*	S	*
30-39	30,000	12,000	7,000	19,000	1,000	8,000
40-49	56,000	24,000	15,000	36,000	2,000	11,000
50-59	86,000	28,000	25,000	59,000	2,000	21,000
60+	51,000	13,000	17,000	32,000	2,000	16,000
Art/humanities/related occupations	10,000	4,000	*	4,000	1,000	6,000
<30	S	S	S	S	S	S
30-39	1,000	1,000	S	1,000	S	1,000
40-49	3,000	1,000	S	1,000	*	2,000
50-59	3,000	2,000	*	1,000	S	2,000
60+	3,000	1,000	S	1,000	S	2,000
Management-related occupations	31,000	10,000	2,000	25,000	2,000	8,000
<30	*	S	S	S	S	S
30-39	8,000	2,000	*	7,000	1,000	1,000
40-49	7,000	2,000	1,000	5,000	*	1,000
50-59	11,000	4,000	*	9,000	1,000	3,000
60+	6,000	2,000	1,000	4,000	*	2,000
Non-S&E managers	74,000	22,000	4,000	68,000	2,000	12,000
<30	S	S	S	S	S	S
30-39	5,000	2,000	S	5,000	*	1,000
40-49	18,000	7,000	*	16,000	1,000	2,000
50-59	35,000	10,000	2,000	33,000	*	7,000
60+	16,000	4,000	1,000	15,000	*	3,000
Non-S&E postsecondary teachers	46,000	25,000	42,000	12,000	1,000	5,000
<30	S	S	S	S	S	S
30-39	7,000	5,000	6,000	1,000	S	*
40-49	13,000	8,000	13,000	3,000	*	1,000
50-59	15,000	8,000	15,000	5,000	*	2,000
60+	10,000	4,000	9,000	3,000	S	2,000
Non-S&E precollege/other teachers	8,000	3,000	7,000	2,000	S	1,000
<30	S	S	S	S	S	S

TABLE 18. Employed U.S. scientists and engineers, by level of highest degree, occupation, age, and primary/secondary work activity: 2003

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, administration	Computer applications	Other
30-39	1,000	S	1,000	*	S	S
40-49	1,000	S	1,000	*	S	S
50-59	6,000	3,000	5,000	1,000	S	1,000
60+	1,000	S	1,000	S	S	*
Sales/marketing occupations	18,000	5,000	1,000	17,000	1,000	2,000
<30	S	S	S	S	S	S
30-39	2,000	1,000	S	2,000	*	*
40-49	6,000	3,000	S	6,000	S	*
50-59	4,000	1,000	S	4,000	*	1,000
60+	5,000	1,000	S	5,000	*	*
Social services/related occupations	12,000	1,000	6,000	5,000	*	10,000
<30	S	S	S	S	S	S
30-39	1,000	*	S	*	S	1,000
40-49	2,000	*	1,000	2,000	S	1,000
50-59	5,000	*	3,000	2,000	S	4,000
60+	4,000	1,000	2,000	1,000	S	4,000
Other non-S&E occupations	23,000	6,000	2,000	15,000	1,000	12,000
<30	S	S	S	S	S	S
30-39	5,000	1,000	*	3,000	S	3,000
40-49	6,000	2,000	*	3,000	*	3,000
50-59	6,000	2,000	*	5,000	S	3,000
60+	6,000	1,000	1,000	4,000	1,000	4,000

* = 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, 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/occ03maj.html> for a detailed description of the occupational classification. Numbers are rounded to the nearest thousand. Detail may exceed total due to multiple responses and because of rounding.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Scientists and Engineers Statistical Data System (SESTAT): 2003.