

TABLE H-6. Employed scientists and engineers, by occupation, highest degree level, and race/ethnicity: 2003

Highest degree and occupation	All races/ethnicities	White	Asian	Black	Hispanic	American Indian/Alaska Native
All degrees	18,019,400	13,953,800	1,721,900	1,036,200	936,900	76,200
S&E occupations	4,927,500	3,706,100	697,100	215,800	214,300	17,300
Scientist	3,372,700	2,509,100	502,300	163,000	134,500	12,500
Biological/life scientist	554,500	422,500	78,500	20,400	23,100	3,900
Agricultural/food scientist	48,500	40,300	4,600	1,400	1,800	S
Biological/medical scientist	298,500	211,500	57,600	9,500	14,100	2,000
Forestry and conservation scientist	39,500	36,900	S	800	1,200	S
Postsecondary teacher	168,100	133,800	16,200	8,700	6,100	1,300
Computer and information scientist	1,883,400	1,335,800	342,900	96,600	72,800	3,200
Computer/information scientist	1,849,000	1,308,800	338,600	95,300	71,200	3,200
Postsecondary teacher	34,400	27,000	4,300	1,300	1,500	S
Mathematical scientist	125,100	95,700	14,600	9,300	3,800	400
Mathematical scientist	67,000	52,800	7,700	3,600	1,800	S
Postsecondary teacher	58,000	42,900	6,900	5,800	2,000	S
Physical scientist	315,100	248,900	38,600	8,800	12,600	1,500
Chemist, except biochemist	124,200	86,700	22,900	5,700	6,100	400
Earth scientist/geologist/oceanographer	71,300	64,800	2,600	500	2,200	300
Physicist/astronomer	30,500	24,200	4,900	600	600	S
Other physical scientist	37,300	30,700	2,800	900	1,900	S
Postsecondary teacher	51,700	42,500	5,400	1,000	1,800	200
Psychologist	212,000	180,200	7,000	10,300	11,100	1,000
Psychologist	180,800	154,600	5,200	8,900	9,500	800
Postsecondary teacher	31,200	25,600	1,800	1,400	1,600	200
Social scientist	282,600	225,900	20,700	17,700	11,200	2,500
Economist	34,500	26,600	3,800	2,600	900	S
Political scientist	14,200	11,500	300	600	1,000	S
Sociologist/anthropologist	21,700	18,100	100	1,700	1,600	S
Other social scientist	137,800	109,900	10,300	8,800	4,800	S
Postsecondary teacher	74,400	59,700	6,300	4,000	2,900	600
Engineer	1,554,900	1,197,000	194,800	52,800	79,700	4,800
Aerospace engineer	95,200	77,900	7,100	2,300	4,500	S
Chemical engineer	74,600	54,700	12,600	1,900	3,200	1,100
Civil engineer	247,300	187,900	24,200	8,200	17,400	1,300
Electrical engineer	367,400	252,900	77,100	14,600	17,900	500
Industrial engineer	85,700	64,200	8,000	5,100	7,500	S
Mechanical engineer	272,100	222,800	27,800	5,700	12,300	S
Other engineer	379,600	313,300	31,900	13,500	15,500	800
Postsecondary teacher	33,000	23,400	6,300	1,600	1,500	S
S&E related occupations	5,220,600	4,071,300	482,100	287,400	266,700	20,800
Health related occupation	3,404,800	2,602,700	350,300	197,600	175,600	13,200
S&E manager	385,700	326,900	27,500	12,900	11,800	1,500
S&E precollege teacher	715,900	596,700	14,400	49,900	41,000	3,200
S&E technician/technologist	499,600	372,400	71,100	19,800	26,300	1,600
Other S&E related occupation	214,500	172,600	18,900	7,300	11,900	S
Non-S&E occupations	7,871,300	6,176,500	542,700	533,000	456,000	38,100
Art, humanities and related occupation	247,700	205,500	9,800	9,200	19,200	S
Management related occupation	1,310,600	983,800	125,200	97,300	72,500	10,000
Non-S&E manager	919,700	779,000	44,500	47,600	37,400	3,200
Non-S&E postsecondary teacher	139,200	106,200	9,700	8,700	11,400	1,400
Non-S&E precollege teacher	599,800	463,500	18,700	57,800	47,200	2,700
Sales and marketing occupation	1,322,100	1,080,600	102,000	53,300	57,400	5,200
Social services and related occupation	621,000	449,800	18,700	84,400	51,800	5,000
Other non-S&E occupation	2,711,400	2,108,000	214,100	174,600	159,200	9,400
Bachelor's	10,484,300	8,131,800	871,500	647,900	588,300	47,100
S&E occupations	2,799,200	2,178,700	278,900	139,400	138,900	11,000

TABLE H-6. Employed scientists and engineers, by occupation, highest degree level, and race/ethnicity: 2003

Highest degree and occupation	All races/ethnicities	White	Asian	Black	Hispanic	American Indian/Alaska Native
Scientist	1,789,700	1,374,000	194,500	99,900	82,300	6,800
Biological/life scientist	195,500	157,100	15,900	7,800	8,700	2,900
Agricultural/food scientist	26,100	22,900	1,200	S	S	S
Biological/medical scientist	118,200	90,600	12,800	4,800	5,800	1,700
Forestry and conservation scientist	28,600	26,400	S	S	1,100	S
Postsecondary teacher	22,600	17,200	1,900	1,800	700	S
Computer and information scientist	1,292,700	976,400	160,400	73,900	57,100	2,400
Computer/information scientist	1,281,400	966,600	160,000	73,600	56,400	2,400
Postsecondary teacher	11,300	9,800	S	S	700	S
Mathematical scientist	38,700	32,500	1,600	2,700	900	S
Mathematical scientist	28,800	24,900	S	1,700	S	S
Postsecondary teacher	9,900	7,600	S	1,100	200	S
Physical scientist	139,400	111,100	11,000	5,500	7,800	900
Chemist, except biochemist	68,900	50,600	7,300	4,100	4,600	S
Earth scientist/geologist/oceanographer	33,300	31,200	S	S	900	S
Physicist/astronomer	5,100	3,600	900	S	200	S
Other physical scientist	22,300	18,900	1,100	S	1,100	S
Postsecondary teacher	9,800	6,900	S	200	900	S
Psychologist	15,900	11,500	S	1,400	2,300	S
Psychologist	14,000	10,200	S	S	1,800	S
Postsecondary teacher	1,900	1,300	S	S	S	S
Social scientist	107,600	85,300	4,900	8,600	5,600	S
Economist	8,800	6,000	S	S	500	S
Political scientist	8,600	6,600	S	S	S	S
Sociologist/anthropologist	8,700	6,600	S	S	1,300	S
Other social scientist	74,200	59,600	3,900	5,600	2,700	S
Postsecondary teacher	7,200	6,500	S	S	S	S
Engineer	1,009,500	804,700	84,400	39,500	56,600	4,100
Aerospace engineer	53,200	42,500	3,800	1,900	2,600	S
Chemical engineer	45,200	35,300	4,300	1,200	2,100	S
Civil engineer	173,800	134,900	11,100	6,200	13,200	1,300
Electrical engineer	228,900	164,600	36,600	11,100	13,400	S
Industrial engineer	60,500	46,600	3,400	4,500	5,200	S
Mechanical engineer	187,900	159,000	12,100	4,500	9,800	S
Other engineer	254,600	217,700	12,300	9,800	10,100	600
Postsecondary teacher	5,400	4,000	800	S	300	S
S&E related occupations	2,938,500	2,272,200	246,100	184,600	157,900	14,000
Health related occupation	1,812,700	1,364,800	171,800	131,000	92,200	7,300
S&E manager	219,200	188,100	12,100	8,800	6,200	S
S&E precollege teacher	356,800	292,200	6,500	22,700	26,900	3,000
S&E technician/technologist	401,100	309,100	42,200	16,800	23,500	1,600
Other S&E related occupation	148,700	118,000	13,400	5,300	9,100	S
Non-S&E occupations	4,746,600	3,680,900	346,500	323,900	291,500	22,100
Art, humanities and related occupation	159,900	128,200	6,000	5,700	16,000	S
Management related occupation	793,500	598,800	69,500	58,300	47,300	5,300
Non-S&E manager	455,300	390,000	19,200	21,200	20,800	S
Non-S&E postsecondary teacher	25,800	18,600	2,300	1,600	3,200	S
Non-S&E precollege teacher	303,600	225,500	10,700	28,600	31,500	1,000
Sales and marketing occupation	980,000	811,600	70,800	40,400	38,800	2,600
Social services and related occupation	240,000	158,300	7,900	41,800	24,100	3,300
Other non-S&E occupation	1,788,500	1,350,000	160,100	126,400	109,800	7,300
Master's	4,976,800	3,854,400	524,500	292,200	216,700	19,500
S&E occupations	1,453,300	1,035,400	288,300	53,100	52,900	2,900
Scientist	1,003,700	703,700	207,500	41,800	32,600	2,700
Biological/life scientist	128,700	102,200	14,400	5,100	5,200	S
Agricultural/food scientist	12,500	9,700	1,900	400	S	S

TABLE H-6. Employed scientists and engineers, by occupation, highest degree level, and race/ethnicity: 2003

Highest degree and occupation	All races/ethnicities	White	Asian	Black	Hispanic	American Indian/Alaska Native
Biological/medical scientist	62,700	46,600	10,300	1,400	3,600	S
Forestry and conservation scientist	9,000	9,000	S	S	S	S
Postsecondary teacher	44,500	36,900	2,200	3,300	1,200	S
Computer and information scientist	526,900	317,900	164,400	20,700	14,600	700
Computer/information scientist	514,700	308,600	162,700	20,100	14,000	700
Postsecondary teacher	12,200	9,300	1,600	S	S	S
Mathematical scientist	51,300	39,000	5,800	3,900	2,100	S
Mathematical scientist	25,300	19,100	3,700	1,600	800	S
Postsecondary teacher	26,000	19,900	2,100	2,300	1,300	S
Physical scientist	82,900	66,500	10,100	1,900	2,900	S
Chemist, except biochemist	25,300	15,800	7,200	1,100	900	S
Earth scientist/geologist/oceanographer	27,200	25,000	S	S	1,000	S
Physicist/astronomer	8,300	7,200	800	S	S	S
Other physical scientist	10,200	8,500	S	S	700	S
Postsecondary teacher	12,100	10,100	1,500	200	100	S
Psychologist	107,600	91,400	3,800	5,500	5,100	S
Psychologist	99,800	85,500	2,600	5,300	4,900	S
Postsecondary teacher	7,800	5,800	S	S	S	S
Social scientist	106,200	86,700	9,100	4,700	2,600	S
Economist	16,500	13,200	2,000	600	S	S
Political scientist	4,000	3,700	S	S	S	S
Sociologist/anthropologist	7,900	7,000	S	S	S	S
Other social scientist	55,800	44,900	5,600	2,300	1,400	S
Postsecondary teacher	22,100	18,000	1,300	1,200	900	S
Engineer	449,600	331,700	80,800	11,300	20,400	S
Aerospace engineer	36,700	31,300	2,300	S	1,900	S
Chemical engineer	20,500	14,100	5,600	S	500	S
Civil engineer	68,300	49,900	11,400	1,900	4,000	S
Electrical engineer	117,500	76,900	31,600	3,300	4,100	S
Industrial engineer	22,600	15,700	3,900	600	2,200	S
Mechanical engineer	74,100	57,900	11,800	1,100	2,400	S
Other engineer	102,100	80,300	12,800	3,500	5,000	S
Postsecondary teacher	7,800	5,700	1,300	S	500	S
S&E related occupations	1,196,200	983,100	86,600	64,600	43,700	3,500
Health related occupation	568,300	468,500	38,700	31,300	20,800	2,700
S&E manager	135,300	113,900	11,000	3,100	4,800	S
S&E precollege teacher	341,100	290,500	7,400	25,300	12,600	S
S&E technician/technologist	89,400	58,200	25,100	2,900	2,700	S
Other S&E related occupation	62,100	52,000	4,600	2,000	2,900	S
Non-S&E occupations	2,327,400	1,835,900	149,500	174,600	120,100	13,100
Art, humanities and related occupation	73,700	65,300	2,300	3,300	2,800	S
Management related occupation	457,400	337,500	49,700	36,000	22,400	4,500
Non-S&E manager	362,100	302,700	18,300	21,100	13,800	1,500
Non-S&E postsecondary teacher	63,000	48,900	2,900	3,700	5,400	S
Non-S&E precollege teacher	283,100	228,700	7,800	28,300	14,300	S
Sales and marketing occupation	303,500	238,500	26,600	12,000	16,200	S
Social services and related occupation	352,800	272,100	9,300	39,300	24,100	1,600
Other non-S&E occupation	431,700	342,300	32,700	30,900	21,100	S
Doctorate	883,700	660,900	151,200	34,500	29,300	4,400
S&E occupations	581,800	424,300	116,100	19,200	17,200	3,400
Scientist	488,400	365,500	86,700	17,300	14,500	3,000
Biological/life scientist	171,600	122,900	37,200	4,600	5,600	900
Agricultural/food scientist	9,200	7,200	1,300	300	300	S
Biological/medical scientist	102,600	65,700	30,500	2,400	3,500	300
Forestry and conservation scientist	1,800	1,500	S	S	S	S
Postsecondary teacher	58,000	48,400	5,300	1,700	1,800	400

TABLE H-6. Employed scientists and engineers, by occupation, highest degree level, and race/ethnicity: 2003

Highest degree and occupation	All races/ethnicities	White	Asian	Black	Hispanic	American Indian/Alaska Native
Computer and information scientist	53,400	33,400	16,900	1,800	1,000	200
Computer/information scientist	42,600	25,600	14,600	1,300	800	S
Postsecondary teacher	10,900	7,800	2,300	500	300	S
Mathematical scientist	33,000	22,600	6,800	2,700	900	S
Mathematical scientist	11,000	7,300	3,000	300	300	S
Postsecondary teacher	22,100	15,400	3,800	2,400	500	S
Physical scientist	90,500	69,200	17,400	1,400	1,900	500
Chemist, except biochemist	29,900	20,300	8,200	600	600	200
Earth scientist/geologist/oceanographer	10,200	8,000	1,800	S	300	S
Physicist/astronomer	16,800	13,300	3,100	100	200	S
Other physical scientist	4,000	2,600	1,300	100	S	S
Postsecondary teacher	29,600	25,200	2,900	600	800	200
Psychologist	74,700	66,100	2,000	3,000	2,500	700
Psychologist	54,600	48,800	1,400	2,000	1,700	500
Postsecondary teacher	20,100	17,400	600	900	800	200
Social scientist	65,000	51,200	6,400	3,800	2,500	700
Economist	8,500	6,800	1,100	300	300	S
Political scientist	1,500	1,200	S	100	100	S
Sociologist/anthropologist	5,100	4,500	100	300	100	S
Other social scientist	6,200	4,600	600	500	400	S
Postsecondary teacher	43,700	34,200	4,500	2,600	1,600	500
Engineer	93,400	58,700	29,400	1,900	2,600	400
Aerospace engineer	5,100	4,000	1,000	100	S	S
Chemical engineer	9,000	5,300	2,700	300	700	S
Civil engineer	5,100	3,100	1,700	S	200	S
Electrical engineer	20,700	11,300	8,700	300	400	S
Industrial engineer	2,400	1,700	700	S	S	S
Mechanical engineer	9,600	5,500	3,800	100	200	S
Other engineer	21,900	14,400	6,700	200	400	S
Postsecondary teacher	19,600	13,600	4,100	900	700	S
S&E related occupations	81,700	62,100	12,200	3,300	3,200	300
Health related occupation	33,700	24,500	4,800	1,400	2,500	100
S&E manager	26,000	21,000	3,600	800	400	100
S&E precollege teacher	11,900	10,000	300	1,200	300	S
S&E technician/technologist	7,500	4,500	3,000	S	S	S
Other S&E related occupation	2,600	2,200	400	S	S	S
Non-S&E occupations	220,200	174,600	22,800	12,000	8,900	700
Art, humanities and related occupation	9,600	8,400	1,000	100	100	S
Management related occupation	31,300	24,200	4,800	1,100	1,100	S
Non-S&E manager	73,400	61,900	5,900	3,800	1,500	200
Non-S&E postsecondary teacher	45,400	35,200	4,400	2,800	2,100	100
Non-S&E precollege teacher	8,100	6,100	200	300	1,300	S
Sales and marketing occupation	17,700	13,800	3,200	200	400	S
Social services and related occupation	12,300	8,500	700	2,300	600	S
Other non-S&E occupation	22,400	16,500	2,500	1,200	1,700	S

S = suppressed because fewer than 50 weighted cases.

NOTES: Numbers are rounded to nearest 100. Detail may not add to total because of rounding. Total includes Native Hawaiian/other Pacific Islander and multiple race not shown separately. All degrees includes professional degrees not shown separately. Differences in estimates of scientists and engineers in the tables in this report reflect different data sources. Data from the Current Population Survey cover employed persons 16 years and older regardless of degree status. Data based on the SESTAT surveys cover persons with bachelor's or higher degrees who were either educated as or working as scientists or engineers.

SOURCE: National Science Foundation, Division of Science Resources Statistics, Scientist and Engineer Statistical Data System (SESTAT).