

TABLE H-6. Employed scientists and engineers, by occupation, highest degree level, and race/ethnicity: 2006

Highest degree and occupation	All races/ethnicities	White	Asian	Black	Hispanic	American Indian/Alaska Native
All degrees	18,927,000	14,472,000	1,934,000	1,075,000	1,027,000	84,000
S&E occupations	5,024,000	3,677,000	810,000	197,000	230,000	21,000
Scientist	3,403,000	2,464,000	575,000	146,000	141,000	17,000
Biological/life scientist	487,000	363,000	77,000	13,000	21,000	4,000
Agricultural/food scientist	57,000	47,000	5,000	1,000	3,000	D
Biological/medical scientist	336,000	236,000	67,000	8,000	16,000	3,000
Forestry and conservation scientist	35,000	32,000	1,000	1,000	*	D
Postsecondary teacher	60,000	48,000	5,000	3,000	2,000	1,000
Computer and information scientist	1,963,000	1,339,000	410,000	95,000	77,000	4,000
Computer/information scientist	1,938,000	1,322,000	404,000	94,000	76,000	4,000
Postsecondary teacher	25,000	17,000	5,000	2,000	1,000	D
Mathematical scientist	149,000	114,000	20,000	8,000	5,000	D
Mathematical scientist	85,000	64,000	13,000	3,000	3,000	D
Postsecondary teacher	64,000	50,000	7,000	5,000	2,000	D
Physical scientist	334,000	262,000	43,000	8,000	14,000	2,000
Chemist, except biochemist	134,000	94,000	25,000	5,000	7,000	*
Earth scientist/geologist/oceanographer	80,000	71,000	4,000	1,000	3,000	1,000
Physicist/astronomer	29,000	21,000	6,000	*	1,000	*
Other physical scientist	39,000	33,000	3,000	1,000	2,000	D
Postsecondary teacher	52,000	43,000	5,000	1,000	2,000	*
Psychologist	211,000	181,000	6,000	9,000	12,000	1,000
Psychologist	177,000	152,000	4,000	7,000	11,000	1,000
Postsecondary teacher	34,000	29,000	2,000	1,000	1,000	*
Social scientist	259,000	204,000	19,000	12,000	13,000	5,000
Economist	33,000	26,000	4,000	1,000	1,000	D
Political scientist	20,000	17,000	1,000	1,000	1,000	D
Sociologist/anthropologist	21,000	16,000	1,000	1,000	2,000	D
Other social scientist	103,000	83,000	7,000	5,000	5,000	D
Postsecondary teacher	81,000	62,000	6,000	4,000	4,000	2,000
Engineer	1,621,000	1,213,000	235,000	52,000	88,000	4,000
Aerospace engineer	96,000	77,000	9,000	3,000	5,000	D
Chemical engineer	80,000	58,000	13,000	3,000	4,000	1,000
Civil engineer	266,000	200,000	29,000	9,000	20,000	1,000
Electrical engineer	395,000	265,000	89,000	13,000	20,000	1,000
Industrial engineer	93,000	65,000	12,000	6,000	8,000	D
Mechanical engineer	305,000	241,000	36,000	8,000	15,000	1,000
Other engineer	348,000	280,000	39,000	9,000	15,000	1,000
Postsecondary teacher	38,000	28,000	7,000	2,000	1,000	*
S&E-related occupations	5,246,000	4,042,000	508,000	303,000	272,000	26,000
Health-related occupation	3,625,000	2,754,000	384,000	219,000	181,000	19,000
S&E manager	382,000	305,000	32,000	21,000	18,000	1,000
S&E precollege teacher	644,000	537,000	18,000	43,000	34,000	3,000
S&E technician/technologist	371,000	269,000	52,000	12,000	25,000	1,000
Other S&E-related occupation	224,000	177,000	21,000	8,000	14,000	D
Non-S&E occupations	8,657,000	6,752,000	616,000	575,000	525,000	38,000
Art, humanities, and related occupation	262,000	218,000	11,000	15,000	16,000	1,000
Management-related occupation	1,361,000	1,015,000	143,000	94,000	78,000	7,000
Non-S&E manager	1,118,000	923,000	64,000	59,000	52,000	8,000
Non-S&E postsecondary teacher	141,000	109,000	9,000	8,000	11,000	1,000
Non-S&E precollege teacher	724,000	569,000	25,000	59,000	57,000	2,000
Sales and marketing occupation	1,435,000	1,168,000	109,000	56,000	73,000	3,000
Social services and related occupation	714,000	527,000	21,000	91,000	59,000	3,000
Other non-S&E occupation	2,902,000	2,223,000	234,000	193,000	178,000	14,000
Bachelor's	10,886,000	8,351,000	968,000	648,000	638,000	53,000
S&E occupations	2,911,000	2,217,000	336,000	126,000	156,000	13,000

TABLE H-6. Employed scientists and engineers, by occupation, highest degree level, and race/ethnicity: 2006

Highest degree and occupation	All races/ethnicities	White	Asian	Black	Hispanic	American Indian/Alaska Native
Scientist	1,865,000	1,399,000	236,000	89,000	91,000	10,000
Biological/life scientist	203,000	159,000	19,000	6,000	10,000	3,000
Agricultural/food scientist	32,000	27,000	1,000	*	2,000	D
Biological/medical scientist	137,000	103,000	16,000	4,000	8,000	2,000
Forestry and conservation scientist	22,000	20,000	D	D	D	D
Postsecondary teacher	13,000	10,000	1,000	D	D	D
Computer and information scientist	1,350,000	993,000	195,000	70,000	61,000	3,000
Computer/information scientist	1,345,000	989,000	195,000	69,000	60,000	3,000
Postsecondary teacher	5,000	3,000	D	D	D	D
Mathematical scientist	44,000	36,000	3,000	3,000	2,000	D
Mathematical scientist	32,000	27,000	2,000	1,000	2,000	D
Postsecondary teacher	12,000	9,000	1,000	2,000	1,000	D
Physical scientist	159,000	128,000	14,000	5,000	9,000	1,000
Chemist, except biochemist	79,000	58,000	10,000	4,000	6,000	D
Earth scientist/geologist/oceanographer	39,000	35,000	1,000	*	2,000	D
Physicist/astronomer	6,000	5,000	1,000	D	*	D
Other physical scientist	25,000	22,000	2,000	1,000	1,000	D
Postsecondary teacher	9,000	8,000	1,000	*	*	D
Psychologist	22,000	15,000	D	2,000	4,000	D
Psychologist	19,000	13,000	D	2,000	4,000	D
Postsecondary teacher	3,000	3,000	D	D	D	D
Social scientist	86,000	69,000	5,000	4,000	5,000	D
Economist	9,000	6,000	1,000	D	D	D
Political scientist	10,000	8,000	D	D	D	D
Sociologist/anthropologist	8,000	6,000	D	D	2,000	D
Other social scientist	50,000	40,000	2,000	3,000	2,000	D
Postsecondary teacher	10,000	9,000	D	D	D	D
Engineer	1,046,000	818,000	100,000	36,000	65,000	3,000
Aerospace engineer	57,000	45,000	4,000	2,000	3,000	D
Chemical engineer	51,000	39,000	5,000	2,000	3,000	D
Civil engineer	185,000	142,000	14,000	7,000	16,000	1,000
Electrical engineer	242,000	176,000	36,000	9,000	15,000	1,000
Industrial engineer	65,000	45,000	7,000	5,000	6,000	D
Mechanical engineer	211,000	174,000	16,000	5,000	11,000	1,000
Other engineer	227,000	191,000	17,000	6,000	10,000	D
Postsecondary teacher	8,000	6,000	1,000	D	*	D
S&E-related occupations	2,810,000	2,156,000	251,000	176,000	149,000	16,000
Health-related occupation	1,865,000	1,406,000	179,000	133,000	90,000	10,000
S&E manager	199,000	165,000	12,000	11,000	8,000	D
S&E precollege teacher	283,000	234,000	7,000	17,000	20,000	2,000
S&E technician/technologist	306,000	227,000	37,000	10,000	21,000	1,000
Other S&E-related occupation	156,000	123,000	15,000	5,000	10,000	D
Non-S&E occupations	5,165,000	3,979,000	380,000	346,000	333,000	24,000
Art, humanities, and related occupation	165,000	139,000	5,000	7,000	12,000	D
Management-related occupation	816,000	606,000	80,000	60,000	49,000	4,000
Non-S&E manager	528,000	445,000	27,000	23,000	24,000	4,000
Non-S&E postsecondary teacher	29,000	22,000	1,000	1,000	3,000	D
Non-S&E precollege teacher	360,000	266,000	15,000	32,000	38,000	1,000
Sales and marketing occupation	1,080,000	884,000	77,000	42,000	54,000	2,000
Social services and related occupation	271,000	186,000	9,000	41,000	29,000	1,000
Other non-S&E occupation	1,915,000	1,432,000	166,000	138,000	124,000	11,000
Master's	5,384,000	4,078,000	627,000	326,000	254,000	20,000
S&E occupations	1,497,000	1,014,000	349,000	53,000	54,000	4,000
Scientist	1,023,000	681,000	248,000	40,000	33,000	4,000
Biological/life scientist	113,000	86,000	18,000	2,000	4,000	D
Agricultural/food scientist	15,000	12,000	2,000	D	1,000	D

TABLE H-6. Employed scientists and engineers, by occupation, highest degree level, and race/ethnicity: 2006

Highest degree and occupation	All races/ethnicities	White	Asian	Black	Hispanic	American Indian/Alaska Native
Biological/medical scientist	76,000	54,000	15,000	1,000	3,000	D
Forestry and conservation scientist	11,000	10,000	D	D	D	D
Postsecondary teacher	11,000	10,000	D	1,000	*	D
Computer and information scientist	557,000	310,000	197,000	24,000	15,000	D
Computer/information scientist	546,000	303,000	195,000	24,000	14,000	D
Postsecondary teacher	11,000	7,000	2,000	1,000	1,000	D
Mathematical scientist	70,000	53,000	10,000	5,000	2,000	D
Mathematical scientist	39,000	28,000	7,000	2,000	1,000	D
Postsecondary teacher	31,000	24,000	3,000	3,000	1,000	D
Physical scientist	84,000	66,000	12,000	2,000	3,000	*
Chemist, except biochemist	26,000	16,000	8,000	1,000	1,000	D
Earth scientist/geologist/oceanographer	30,000	27,000	1,000	*	1,000	D
Physicist/astronomer	7,000	5,000	2,000	D	*	D
Other physical scientist	10,000	9,000	D	D	1,000	D
Postsecondary teacher	11,000	10,000	1,000	*	*	D
Psychologist	98,000	85,000	4,000	3,000	5,000	D
Psychologist	87,000	76,000	3,000	3,000	4,000	D
Postsecondary teacher	11,000	9,000	D	D	D	D
Social scientist	102,000	80,000	8,000	4,000	5,000	2,000
Economist	17,000	14,000	1,000	D	1,000	D
Political scientist	8,000	7,000	D	D	D	D
Sociologist/anthropologist	9,000	7,000	D	1,000	D	D
Other social scientist	43,000	36,000	4,000	1,000	2,000	D
Postsecondary teacher	25,000	17,000	2,000	1,000	2,000	D
Engineer	474,000	333,000	101,000	13,000	21,000	*
Aerospace engineer	32,000	27,000	3,000	1,000	2,000	D
Chemical engineer	21,000	14,000	5,000	1,000	1,000	D
Civil engineer	75,000	55,000	14,000	2,000	4,000	D
Electrical engineer	128,000	75,000	43,000	4,000	5,000	D
Industrial engineer	25,000	18,000	4,000	1,000	2,000	D
Mechanical engineer	84,000	61,000	16,000	2,000	4,000	D
Other engineer	99,000	75,000	16,000	3,000	4,000	D
Postsecondary teacher	9,000	7,000	1,000	D	*	D
S&E-related occupations	1,266,000	1,010,000	96,000	83,000	55,000	5,000
Health-related occupation	646,000	513,000	52,000	44,000	26,000	4,000
S&E manager	152,000	117,000	15,000	9,000	8,000	D
S&E precollege teacher	343,000	288,000	10,000	25,000	13,000	D
S&E technician/technologist	59,000	39,000	13,000	2,000	4,000	D
Other S&E-related occupation	67,000	52,000	6,000	3,000	5,000	D
Non-S&E occupations	2,621,000	2,055,000	182,000	190,000	145,000	12,000
Art, humanities, and related occupation	82,000	67,000	5,000	6,000	3,000	D
Management-related occupation	473,000	353,000	53,000	31,000	26,000	3,000
Non-S&E manager	480,000	388,000	29,000	30,000	25,000	3,000
Non-S&E postsecondary teacher	57,000	43,000	4,000	4,000	5,000	D
Non-S&E precollege teacher	350,000	291,000	10,000	26,000	17,000	D
Sales and marketing occupation	313,000	250,000	27,000	14,000	17,000	D
Social services and related occupation	410,000	317,000	11,000	46,000	27,000	2,000
Other non-S&E occupation	456,000	346,000	43,000	33,000	25,000	2,000
Doctorate	883,000	657,000	155,000	31,000	32,000	5,000
S&E occupations	566,000	411,000	116,000	17,000	17,000	3,000
Scientist	467,000	349,000	84,000	15,000	15,000	3,000
Biological/life scientist	154,000	107,000	36,000	4,000	5,000	1,000
Agricultural/food scientist	10,000	8,000	2,000	*	*	D
Biological/medical scientist	107,000	69,000	31,000	2,000	4,000	1,000
Forestry and conservation scientist	2,000	2,000	D	D	D	D
Postsecondary teacher	34,000	28,000	3,000	1,000	1,000	*

TABLE H-6. Employed scientists and engineers, by occupation, highest degree level, and race/ethnicity: 2006

Highest degree and occupation	All races/ethnicities	White	Asian	Black	Hispanic	American Indian/Alaska Native
Computer and information scientist	50,000	31,000	17,000	1,000	1,000	D
Computer/information scientist	41,000	25,000	14,000	1,000	1,000	D
Postsecondary teacher	9,000	6,000	3,000	*	*	D
Mathematical scientist	33,000	24,000	6,000	1,000	1,000	D
Mathematical scientist	12,000	8,000	3,000	*	*	D
Postsecondary teacher	21,000	17,000	3,000	1,000	1,000	D
Physical scientist	89,000	67,000	17,000	2,000	2,000	*
Chemist, except biochemist	28,000	19,000	8,000	*	1,000	D
Earth scientist/geologist/oceanographer	11,000	8,000	2,000	*	*	D
Physicist/astronomer	16,000	12,000	3,000	*	*	D
Other physical scientist	3,000	2,000	1,000	*	D	D
Postsecondary teacher	31,000	26,000	3,000	1,000	1,000	*
Psychologist	76,000	67,000	2,000	3,000	3,000	1,000
Psychologist	56,000	50,000	1,000	2,000	2,000	*
Postsecondary teacher	19,000	17,000	*	1,000	1,000	*
Social scientist	66,000	53,000	6,000	4,000	2,000	1,000
Economist	8,000	6,000	1,000	*	*	D
Political scientist	2,000	1,000	*	*	*	D
Sociologist/anthropologist	4,000	4,000	*	*	*	D
Other social scientist	8,000	6,000	1,000	1,000	*	D
Postsecondary teacher	44,000	35,000	4,000	3,000	1,000	1,000
Engineer	99,000	61,000	33,000	2,000	3,000	*
Aerospace engineer	6,000	5,000	2,000	*	*	D
Chemical engineer	9,000	5,000	3,000	*	*	D
Civil engineer	5,000	3,000	2,000	D	*	D
Electrical engineer	24,000	13,000	10,000	*	*	D
Industrial engineer	2,000	2,000	1,000	D	D	D
Mechanical engineer	9,000	5,000	4,000	D	*	D
Other engineer	22,000	14,000	7,000	*	1,000	D
Postsecondary teacher	21,000	15,000	4,000	1,000	1,000	*
S&E-related occupations	97,000	74,000	14,000	3,000	4,000	*
Health-related occupation	53,000	40,000	7,000	2,000	3,000	*
S&E manager	27,000	20,000	5,000	1,000	1,000	*
S&E precollege teacher	12,000	11,000	*	1,000	*	D
S&E technician/technologist	4,000	2,000	1,000	D	*	D
Other S&E-related occupation	1,000	*	D	D	D	D
Non-S&E occupations	220,000	172,000	25,000	11,000	10,000	1,000
Art, humanities and related occupation	8,000	7,000	1,000	*	*	D
Management-related occupation	42,000	33,000	6,000	2,000	1,000	*
Non-S&E manager	67,000	56,000	7,000	3,000	2,000	*
Non-S&E postsecondary teacher	47,000	38,000	4,000	2,000	3,000	D
Non-S&E precollege teacher	6,000	4,000	*	1,000	1,000	D
Sales and marketing occupation	16,000	11,000	4,000	*	1,000	D
Social services and related occupation	14,000	10,000	1,000	2,000	1,000	D
Other non-S&E occupation	20,000	14,000	3,000	1,000	2,000	D

D = suppressed for data confidentiality reasons.

* = estimate less than 500.

NOTES: Numbers are rounded to nearest 1,000. Detail may not add to total because of rounding and suppression. Total includes Native Hawaiian/Other Pacific Islander and multiple race not shown separately. All degrees includes professional degrees not shown separately. Scientists and engineers refer to all persons with bachelor's or higher degrees in science, engineering (S&E) or S&E-related fields, plus persons holding a non-S&E bachelor's or higher degree who were employed in an S&E or S&E-related occupation in 2003. Other datasets are more appropriate for characterizing the entire U.S. labor force, including those with a bachelor's or higher degree. See tables H-1 to H-4.

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