

TABLE H-5. Employed scientists and engineers, by occupation, highest degree level, and sex: 2003

Occupation	All degrees			Bachelor's			Master's			Doctorate		
	Both sexes	Female	Male	Both sexes	Female	Male	Both sexes	Female	Male	Both sexes	Female	Male
All occupations	18,019,400	7,582,200	10,437,200	10,484,300	4,575,300	5,909,100	4,976,800	2,221,900	2,754,900	883,700	256,900	626,900
S&E occupations	4,927,500	1,330,500	3,597,100	2,799,200	696,000	2,103,200	1,453,300	437,000	1,016,200	581,800	162,200	419,600
Scientist	3,372,700	1,158,200	2,214,500	1,789,700	588,600	1,201,100	1,003,700	381,500	622,100	488,400	153,500	334,800
Biological/life scientist	554,500	240,400	314,200	195,500	93,500	102,000	128,700	66,400	62,300	171,600	61,200	110,500
Agricultural/food scientist	48,500	15,200	33,300	26,100	10,000	16,100	12,500	3,300	9,200	9,200	1,600	7,700
Biological/medical scientist	298,500	137,100	161,400	118,200	66,200	51,900	62,700	30,100	32,600	102,600	35,800	66,800
Forestry and conservation scientist	39,500	4,400	35,100	28,600	2,800	25,900	9,000	1,100	7,800	1,800	400	1,400
Postsecondary teacher	168,100	83,700	84,400	22,600	14,500	8,100	44,500	31,900	12,600	58,000	23,400	34,600
Computer and information scientist	1,883,400	519,700	1,363,700	1,292,700	367,300	925,400	526,900	142,000	384,800	53,400	8,200	45,200
Computer/information scientist	1,849,000	509,700	1,339,300	1,281,400	363,900	917,500	514,700	137,200	377,500	42,600	6,500	36,000
Postsecondary teacher	34,400	10,000	24,400	11,300	3,400	7,900	12,200	4,900	7,300	10,900	1,700	9,200
Mathematical scientist	125,100	50,100	75,000	38,700	18,200	20,500	51,300	22,300	29,100	33,000	8,500	24,500
Mathematical scientist	67,000	25,500	41,500	28,800	13,300	15,600	25,300	9,000	16,300	11,000	2,300	8,700
Postsecondary teacher	58,000	24,600	33,500	9,900	5,000	4,900	26,000	13,300	12,800	22,100	6,300	15,800
Physical scientist	315,100	89,900	225,100	139,400	49,400	90,000	82,900	27,000	55,900	90,500	13,300	77,300
Chemist, except biochemist	124,200	46,300	77,900	68,900	30,100	38,800	25,300	11,100	14,200	29,900	5,000	24,900
Earth scientist/geologist/oceanographer	71,300	12,800	58,500	33,300	6,600	26,700	27,200	5,000	22,100	10,200	1,200	9,000
Physicist/astronomer	30,500	3,400	27,100	5,100	600	4,500	8,300	1,500	6,800	16,800	1,300	15,500
Other physical scientist	37,300	13,100	24,200	22,300	8,500	13,800	10,200	3,900	6,300	4,000	700	3,300
Postsecondary teacher	51,700	14,400	37,400	9,800	3,700	6,100	12,100	5,600	6,500	29,600	5,000	24,600
Psychologist	212,000	136,600	75,400	15,900	9,300	6,500	107,600	77,800	29,800	74,700	39,500	35,200
Psychologist	180,800	120,900	59,900	14,000	8,100	5,900	99,800	73,400	26,400	54,600	30,400	24,200
Postsecondary teacher	31,200	15,700	15,500	1,900	1,300	S	7,800	4,400	3,400	20,100	9,100	11,000
Social scientist	282,600	121,500	161,100	107,600	50,800	56,800	106,200	46,000	60,200	65,000	22,800	42,200
Economist	34,500	10,400	24,100	8,800	2,400	6,500	16,500	6,400	10,100	8,500	1,700	6,900
Political scientist	14,200	6,900	7,300	8,600	5,600	3,000	4,000	1,000	3,000	1,500	400	1,100
Sociologist/anthropologist	21,700	12,600	9,100	8,700	5,900	2,900	7,900	4,200	3,700	5,100	2,600	2,500
Other social scientist	137,800	63,800	74,000	74,200	33,400	40,800	55,800	25,800	30,000	6,200	3,200	3,000
Postsecondary teacher	74,400	27,600	46,700	7,200	3,500	3,700	22,100	8,600	13,500	43,700	15,000	28,700
Engineer	1,554,900	172,300	1,382,500	1,009,500	107,400	902,100	449,600	55,500	394,100	93,400	8,600	84,800
Aerospace engineer	95,200	9,400	85,800	53,200	4,800	48,400	36,700	4,400	32,300	5,100	200	4,900
Chemical engineer	74,600	14,700	60,000	45,200	10,700	34,500	20,500	3,200	17,300	9,000	700	8,200
Civil engineer	247,300	31,300	216,000	173,800	20,700	153,100	68,300	10,300	58,100	5,100	400	4,800
Electrical engineer	367,400	35,200	332,200	228,900	20,700	208,200	117,500	12,900	104,600	20,700	1,500	19,200
Industrial engineer	85,700	10,400	75,300	60,500	7,000	53,400	22,600	3,200	19,400	2,400	200	2,200
Mechanical engineer	272,100	17,800	254,200	187,900	12,400	175,500	74,100	4,900	69,200	9,600	500	9,000
Other engineer	379,600	49,100	330,500	254,600	30,600	224,000	102,100	14,900	87,200	21,900	2,900	19,000
Postsecondary teacher	33,000	4,400	28,600	5,400	500	5,000	7,800	1,700	6,100	19,600	2,200	17,400
S&E related occupations	5,220,600	2,886,900	2,333,700	2,938,500	1,837,400	1,101,100	1,196,200	717,200	479,000	81,700	29,800	51,900
Health related occupation	3,404,800	2,207,300	1,197,500	1,812,700	1,437,400	375,300	568,300	454,100	114,200	33,700	18,200	15,400

Women, Minorities, and Persons with Disabilities in Science and Engineering

TABLE H-5. Employed scientists and engineers, by occupation, highest degree level, and sex: 2003

Occupation	All degrees			Bachelor's			Master's			Doctorate		
	Both sexes	Female	Male	Both sexes	Female	Male	Both sexes	Female	Male	Both sexes	Female	Male
S&E manager	385,700	112,200	273,500	219,200	64,900	154,300	135,300	42,100	93,200	26,000	4,800	21,200
S&E precollege teacher	715,900	372,200	343,800	356,800	190,600	166,200	341,100	172,700	168,400	11,900	5,100	6,800
S&E technician/technologist	499,600	143,000	356,600	401,100	107,800	293,300	89,400	33,100	56,200	7,500	1,500	6,100
Other S&E related occupation	214,500	52,100	162,300	148,700	36,800	111,900	62,100	15,200	46,900	2,600	S	2,500
Non-S&E occupations	7,871,300	3,364,900	4,506,400	4,746,600	2,041,800	2,704,800	2,327,400	1,067,700	1,259,700	220,200	64,900	155,300
Art, humanities and related occupation	247,700	130,400	117,300	159,900	88,600	71,400	73,700	36,400	37,300	9,600	3,700	5,900
Management related occupation	1,310,600	530,700	779,900	793,500	337,800	455,700	457,400	172,000	285,500	31,300	8,600	22,700
Non-S&E manager	919,700	201,000	718,700	455,300	87,600	367,700	362,100	88,400	273,700	73,400	19,000	54,400
Non-S&E postsecondary teacher	139,200	61,100	78,000	25,800	12,900	12,900	63,000	30,700	32,300	45,400	15,500	29,900
Non-S&E precollege teacher	599,800	472,300	127,400	303,600	247,600	56,000	283,100	216,600	66,500	8,100	3,900	4,100
Sales and marketing occupation	1,322,100	431,300	890,800	980,000	327,200	652,800	303,500	96,100	207,500	17,700	3,900	13,900
Social services and related occupation	621,000	422,900	198,000	240,000	169,400	70,600	352,800	246,000	106,800	12,300	3,200	9,100
Other non-S&E occupation	2,711,400	1,115,100	1,596,300	1,788,500	770,800	1,017,700	431,700	181,500	250,200	22,400	7,200	15,300

S = suppressed because fewer than 50 weighted cases.

NOTES: Numbers are rounded to nearest 100. Detail may not add to total because of rounding. 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 Engineers Statistical Data System (SESTAT).