

TABLE 9-5. Employed scientists and engineers, by occupation, highest degree level, and sex: 2015

Occupation	All degrees ^a			Bachelor's			Master's			Doctorate		
	Both sexes	Female	Male	Both sexes	Female	Male	Both sexes	Female	Male	Both sexes	Female	Male
All occupations	25,306,000	11,897,000	13,409,000	13,998,000	6,468,000	7,531,000	7,718,000	4,012,000	3,706,000	1,361,000	514,000	847,000
S&E occupations	6,407,000	1,818,000	4,590,000	3,518,000	818,000	2,700,000	2,076,000	708,000	1,367,000	751,000	261,000	490,000
Science occupations	4,688,000	1,568,000	3,120,000	2,436,000	675,000	1,761,000	1,551,000	618,000	933,000	644,000	246,000	398,000
Biological/life scientist	631,000	302,000	329,000	241,000	127,000	114,000	169,000	80,000	88,000	207,000	88,000	119,000
Agricultural/food scientist	52,000	25,000	27,000	25,000	13,000	12,000	19,000	10,000	10,000	8,000	S	6,000
Biological/medical scientist	443,000	236,000	207,000	173,000	106,000	67,000	107,000	56,000	51,000	151,000	68,000	83,000
Forestry and conservation scientist	59,000	12,000	47,000	33,000	4,000	29,000	S	S	S	2,000	*	S
Postsecondary teacher	78,000	30,000	48,000	10,000	4,000	6,000	19,000	8,000	11,000	46,000	18,000	29,000
Computer and information scientist	2,846,000	698,000	2,148,000	1,872,000	423,000	1,449,000	898,000	262,000	637,000	67,000	11,000	55,000
Computer/information scientist	2,823,000	689,000	2,134,000	1,870,000	423,000	1,448,000	887,000	254,000	632,000	58,000	10,000	47,000
Postsecondary teacher	22,000	9,000	14,000	2,000	D	1,000	12,000	7,000	4,000	9,000	S	8,000
Mathematical scientist	310,000	135,000	175,000	106,000	33,000	73,000	150,000	79,000	71,000	50,000	18,000	31,000
Mathematical scientist	218,000	94,000	124,000	84,000	21,000	63,000	106,000	S	46,000	23,000	8,000	15,000
Postsecondary teacher	92,000	41,000	51,000	21,000	12,000	S	44,000	19,000	25,000	26,000	10,000	16,000
Physical scientist	331,000	92,000	239,000	126,000	39,000	87,000	85,000	33,000	53,000	119,000	20,000	99,000
Chemist, except biochemist	105,000	34,000	71,000	56,000	20,000	35,000	21,000	9,000	12,000	28,000	5,000	24,000
Earth scientist/geologist/oceanographer	66,000	15,000	51,000	25,000	4,000	21,000	28,000	7,000	21,000	13,000	4,000	9,000
Physicist/astronomer	49,000	9,000	40,000	10,000	S	7,000	12,000	4,000	8,000	27,000	2,000	25,000
Other physical scientist	45,000	18,000	28,000	26,000	10,000	17,000	11,000	6,000	5,000	7,000	S	6,000
Postsecondary teacher	65,000	16,000	49,000	9,000	1,000	8,000	13,000	7,000	6,000	43,000	8,000	35,000
Psychologist	251,000	176,000	76,000	29,000	23,000	7,000	108,000	85,000	23,000	93,000	53,000	40,000
Psychologist	213,000	155,000	58,000	24,000	21,000	3,000	97,000	76,000	21,000	73,000	44,000	29,000
Postsecondary teacher	38,000	20,000	18,000	6,000	2,000	4,000	11,000	8,000	S	19,000	9,000	10,000
Social scientist	319,000	166,000	153,000	61,000	30,000	31,000	141,000	80,000	61,000	108,000	54,000	54,000
Economist	32,000	12,000	20,000	7,000	2,000	5,000	12,000	6,000	7,000	12,000	5,000	8,000
Political scientist	25,000	7,000	18,000	3,000	1,000	2,000	17,000	5,000	12,000	S	D	S
Sociologist/anthropologist	31,000	21,000	10,000	9,000	5,000	S	14,000	10,000	4,000	9,000	S	2,000
Other social scientist	108,000	63,000	44,000	34,000	18,000	16,000	55,000	35,000	20,000	14,000	9,000	5,000
Postsecondary teacher	124,000	62,000	61,000	8,000	4,000	4,000	43,000	24,000	19,000	70,000	34,000	36,000
Engineering occupations	1,719,000	250,000	1,469,000	1,083,000	143,000	940,000	525,000	91,000	434,000	107,000	15,000	92,000
Aerospace engineer	96,000	12,000	84,000	52,000	6,000	46,000	38,000	5,000	33,000	6,000	S	5,000
Chemical engineer	80,000	18,000	63,000	56,000	13,000	44,000	16,000	5,000	12,000	8,000	1,000	7,000
Civil engineer	251,000	49,000	202,000	147,000	25,000	122,000	97,000	22,000	75,000	6,000	S	5,000
Electrical engineer	360,000	36,000	325,000	214,000	18,000	196,000	123,000	16,000	107,000	22,000	2,000	20,000
Industrial engineer	82,000	15,000	67,000	57,000	11,000	46,000	21,000	4,000	17,000	S	D	S
Mechanical engineer	337,000	29,000	309,000	227,000	19,000	209,000	95,000	9,000	86,000	13,000	1,000	12,000
Other engineer	460,000	84,000	376,000	313,000	50,000	262,000	127,000	29,000	98,000	20,000	5,000	15,000
Postsecondary teacher	53,000	8,000	45,000	16,000	S	15,000	8,000	2,000	6,000	29,000	6,000	24,000

TABLE 9-5. Employed scientists and engineers, by occupation, highest degree level, and sex: 2015

Occupation	All degrees ^a			Bachelor's			Master's			Doctorate		
	Both sexes	Female	Male	Both sexes	Female	Male	Both sexes	Female	Male	Both sexes	Female	Male
S&E-related occupations	7,867,000	4,558,000	3,309,000	4,222,000	2,567,000	1,655,000	2,064,000	1,338,000	726,000	229,000	107,000	122,000
Health occupations	4,883,000	3,412,000	1,471,000	2,524,000	1,999,000	526,000	1,000,000	819,000	181,000	129,000	81,000	49,000
S&E manager, including health	967,000	305,000	661,000	521,000	162,000	359,000	296,000	107,000	189,000	50,000	13,000	37,000
S&E precollege teacher	1,029,000	592,000	437,000	461,000	234,000	227,000	530,000	343,000	187,000	17,000	8,000	9,000
S&E technician/technologist	782,000	188,000	594,000	583,000	135,000	448,000	166,000	47,000	119,000	30,000	6,000	24,000
Other S&E-related occupation	207,000	61,000	146,000	132,000	37,000	95,000	73,000	23,000	50,000	2,000	D	2,000
Non-S&E occupations	11,031,000	5,521,000	5,510,000	6,258,000	3,083,000	3,175,000	3,578,000	1,965,000	1,614,000	381,000	146,000	235,000
Art, humanities, and related occupation	331,000	192,000	139,000	192,000	106,000	86,000	104,000	64,000	40,000	23,000	15,000	8,000
Management-related occupation	2,085,000	1,043,000	1,042,000	1,188,000	606,000	582,000	782,000	390,000	392,000	61,000	24,000	36,000
Non-S&E manager	1,825,000	503,000	1,322,000	879,000	192,000	687,000	758,000	254,000	504,000	128,000	35,000	92,000
Non-S&E postsecondary teacher	184,000	87,000	98,000	24,000	12,000	12,000	66,000	37,000	29,000	80,000	31,000	49,000
Non-S&E precollege teacher	825,000	692,000	134,000	355,000	284,000	71,000	449,000	392,000	56,000	14,000	S	2,000
Sales and marketing occupation	1,467,000	662,000	805,000	1,105,000	512,000	593,000	328,000	134,000	194,000	15,000	6,000	9,000
Social services and related occupation	883,000	620,000	263,000	286,000	202,000	84,000	566,000	405,000	161,000	19,000	8,000	12,000
Other non-S&E occupation	3,430,000	1,723,000	1,707,000	2,230,000	1,169,000	1,061,000	526,000	289,000	237,000	41,000	15,000	26,000

* = estimate < 500. D = suppressed for data confidentiality reasons. S = suppressed for reliability; coefficient of variation exceeds publication standards.

S&E = science and engineering.

^a All degrees includes professional degrees, which are not shown separately.

NOTES: Numbers rounded to nearest 1,000. Detail may not add to total because of rounding and suppression. Scientists and engineers are individuals who have a bachelor's or higher degree, are living in the United States, and have an S&E or S&E-related degree or occupation.

SOURCE: National Science Foundation, National Center for Science and Engineering Statistics, National Survey of College Graduates, 2015.