

TABLE 9-7

Employed scientists and engineers, by ethnicity, race, occupation, highest degree level, and sex: 2017
(Number)

Ethnicity, race, and occupation	All degrees ^a		Bachelor's		Master's		Doctorate	
	Female	Male	Female	Male	Female	Male	Female	Male
All ethnicities and races	13,002,000	14,271,000	7,197,000	8,001,000	4,246,000	3,990,000	590,000	913,000
S&E occupations ^b	1,966,000	4,803,000	979,000	2,867,000	670,000	1,399,000	279,000	507,000
Science occupations	1,697,000	3,344,000	831,000	1,955,000	567,000	954,000	263,000	406,000
Biological/life scientist	292,000	319,000	119,000	110,000	75,000	74,000	90,000	127,000
Computer and information scientist	796,000	2,332,000	515,000	1,585,000	253,000	669,000	24,000	72,000
Mathematical scientist	123,000	168,000	55,000	64,000	45,000	72,000	23,000	32,000
Physical scientist	107,000	259,000	49,000	115,000	39,000	59,000	19,000	82,000
Psychologist	173,000	77,000	25,000	8,000	78,000	24,000	54,000	37,000
Social scientist	206,000	190,000	67,000	S	77,000	56,000	53,000	56,000
Engineering occupations	269,000	1,459,000	149,000	912,000	104,000	445,000	16,000	101,000
S&E-related occupations ^c	4,764,000	3,507,000	2,654,000	1,685,000	1,405,000	857,000	126,000	140,000
Non-S&E occupations	6,271,000	5,962,000	3,564,000	3,450,000	2,170,000	1,734,000	184,000	266,000
Hispanic or Latino ^d	1,237,000	1,092,000	726,000	712,000	357,000	253,000	46,000	42,000
S&E occupations ^b	154,000	351,000	77,000	254,000	49,000	70,000	20,000	24,000
Science occupations	128,000	233,000	60,000	177,000	41,000	36,000	19,000	17,000
Biological/life scientist	24,000	14,000	12,000	5,000	5,000	3,000	6,000	6,000
Computer and information scientist	44,000	142,000	29,000	116,000	11,000	23,000	S	2,000
Mathematical scientist	5,000	10,000	S	6,000	2,000	2,000	1,000	1,000
Physical scientist	10,000	19,000	3,000	14,000	5,000	2,000	1,000	3,000
Psychologist	26,000	6,000	2,000	D	16,000	2,000	6,000	S
Social scientist	20,000	S	11,000	S	3,000	3,000	1,000	3,000
Engineering occupations	26,000	118,000	17,000	77,000	8,000	34,000	1,000	6,000
S&E-related occupations ^c	427,000	275,000	256,000	159,000	96,000	58,000	15,000	7,000
Non-S&E occupations	655,000	466,000	393,000	299,000	212,000	126,000	11,000	11,000
Not Hispanic or Latino								
American Indian or Alaska Native	37,000	42,000	29,000	23,000	4,000	9,000	S	S
S&E occupations ^b	5,000	9,000	3,000	7,000	*	2,000	S	D
Science occupations	3,000	6,000	1,000	S	*	S	S	D
Biological/life scientist	D	*	D	D	D	D	D	D
Computer and information scientist	D	S	D	S	D	D	D	D
Mathematical scientist	D	D	D	D	D	D	D	D
Physical scientist	D	S	D	D	D	D	D	D
Psychologist	*	D	D	D	D	D	D	D
Social scientist	*	D	D	D	D	D	D	D
Engineering occupations	D	3,000	D	S	D	*	D	D
S&E-related occupations ^c	16,000	12,000	15,000	2,000	S	S	D	D
Non-S&E occupations	16,000	21,000	11,000	14,000	3,000	5,000	D	D
Asian	1,547,000	1,999,000	797,000	859,000	503,000	770,000	109,000	213,000
S&E occupations ^b	409,000	929,000	158,000	364,000	184,000	423,000	62,000	136,000
Science occupations	355,000	701,000	139,000	275,000	154,000	321,000	57,000	99,000
Biological/life scientist	55,000	70,000	14,000	10,000	15,000	19,000	24,000	38,000
Computer and information scientist	235,000	553,000	111,000	248,000	110,000	275,000	12,000	30,000
Mathematical scientist	22,000	30,000	4,000	6,000	11,000	16,000	7,000	9,000
Physical scientist	16,000	35,000	6,000	11,000	5,000	8,000	5,000	16,000
Psychologist	11,000	4,000	D	D	6,000	*	3,000	S
Social scientist	16,000	9,000	2,000	1,000	8,000	4,000	6,000	4,000
Engineering occupations	54,000	228,000	19,000	89,000	30,000	102,000	5,000	37,000
S&E-related occupations ^c	537,000	505,000	276,000	202,000	128,000	142,000	29,000	33,000
Non-S&E occupations	601,000	565,000	362,000	292,000	191,000	205,000	19,000	43,000

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Employed scientists and engineers, by ethnicity, race, occupation, highest degree level, and sex: 2017
(Number)

Ethnicity, race, and occupation	All degrees ^a		Bachelor's		Master's		Doctorate	
	Female	Male	Female	Male	Female	Male	Female	Male
Black or African American	1,167,000	841,000	661,000	485,000	419,000	244,000	29,000	40,000
S&E occupations ^b	168,000	214,000	115,000	137,000	41,000	57,000	11,000	19,000
Science occupations	157,000	163,000	109,000	105,000	36,000	39,000	11,000	18,000
Biological/life scientist	9,000	10,000	4,000	S	4,000	S	1,000	4,000
Computer and information scientist	106,000	119,000	93,000	97,000	12,000	20,000	D	2,000
Mathematical scientist	3,000	14,000	2,000	S	1,000	S	1,000	2,000
Physical scientist	5,000	6,000	4,000	2,000	1,000	2,000	D	2,000
Psychologist	9,000	3,000	2,000	D	3,000	D	4,000	1,000
Social scientist	25,000	12,000	5,000	*	15,000	3,000	5,000	8,000
Engineering occupations	11,000	51,000	6,000	32,000	5,000	17,000	D	2,000
S&E-related occupations ^c	362,000	248,000	220,000	131,000	107,000	61,000	3,000	3,000
Non-S&E occupations	637,000	379,000	327,000	217,000	271,000	127,000	15,000	18,000
Native Hawaiian or Other Pacific Islander	29,000	37,000	15,000	32,000	8,000	5,000	1,000	*
S&E occupations ^b	5,000	19,000	S	17,000	2,000	2,000	D	D
Science occupations	5,000	11,000	S	10,000	2,000	S	D	D
Biological/life scientist	S	*	D	*	D	D	D	D
Computer and information scientist	S	9,000	S	8,000	D	D	D	D
Mathematical scientist	D	D	D	D	D	D	D	D
Physical scientist	*	D	D	D	D	D	D	D
Psychologist	D	D	D	D	D	D	D	D
Social scientist	D	D	D	D	D	D	D	D
Engineering occupations	D	8,000	D	7,000	D	*	D	D
S&E-related occupations ^c	9,000	7,000	S	5,000	S	S	D	D
Non-S&E occupations	15,000	12,000	9,000	10,000	3,000	1,000	D	D
White	8,711,000	10,039,000	4,802,000	5,748,000	2,878,000	2,656,000	392,000	607,000
S&E occupations ^b	1,188,000	3,209,000	601,000	2,040,000	385,000	826,000	181,000	322,000
Science occupations	1,020,000	2,181,000	501,000	1,350,000	326,000	543,000	172,000	268,000
Biological/life scientist	196,000	218,000	86,000	89,000	49,000	49,000	57,000	78,000
Computer and information scientist	395,000	1,471,000	267,000	1,087,000	118,000	341,000	8,000	38,000
Mathematical scientist	91,000	113,000	46,000	50,000	31,000	43,000	14,000	20,000
Physical scientist	72,000	194,000	34,000	85,000	27,000	46,000	11,000	61,000
Psychologist	125,000	62,000	21,000	5,000	52,000	20,000	41,000	31,000
Social scientist	141,000	123,000	47,000	35,000	49,000	44,000	41,000	41,000
Engineering occupations	168,000	1,027,000	99,000	690,000	60,000	283,000	9,000	54,000
S&E-related occupations ^c	3,314,000	2,412,000	1,827,000	1,156,000	1,041,000	582,000	78,000	95,000
Non-S&E occupations	4,209,000	4,419,000	2,374,000	2,552,000	1,452,000	1,249,000	133,000	189,000
More than one race	274,000	221,000	167,000	143,000	76,000	52,000	11,000	8,000
S&E occupations ^b	37,000	73,000	24,000	48,000	8,000	19,000	3,000	5,000
Science occupations	29,000	49,000	17,000	33,000	7,000	12,000	3,000	4,000
Biological/life scientist	4,000	5,000	2,000	3,000	1,000	S	1,000	2,000
Computer and information scientist	13,000	36,000	12,000	27,000	1,000	8,000	D	D
Mathematical scientist	1,000	2,000	*	S	D	S	D	D
Physical scientist	4,000	3,000	S	1,000	1,000	D	D	1,000
Psychologist	2,000	S	D	D	S	D	S	1,000
Social scientist	4,000	2,000	S	D	1,000	1,000	1,000	S
Engineering occupations	8,000	23,000	7,000	15,000	1,000	8,000	D	1,000
S&E-related occupations ^c	99,000	48,000	56,000	28,000	28,000	11,000	2,000	1,000
Non-S&E occupations	139,000	100,000	87,000	67,000	39,000	22,000	6,000	2,000

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(Number)

* = 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.

^b S&E occupations include S&E postsecondary teachers.

^c S&E-related occupations include health occupations.

^d Hispanic or Latino may be any race.

Note(s)

Numbers are rounded to nearest 1,000. Detail may not add to total because of rounding and suppression. Scientists and engineers are individuals under the age of 76 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(s)

National Science Foundation, National Center for Science and Engineering Statistics, National Survey of College Graduates, 2017.