

TABLE 9-6. Employed scientists and engineers, by highest degree level, occupation, ethnicity, and race: 2015

Highest degree and occupation	All ethnicities and races	Hispanic or Latino ^a	Not Hispanic or Latino					
			American Indian or Alaska Native	Asian	Black or African American	Native Hawaiian or Other Pacific Islander	White	More than one race
All degrees ^b	25,306,000	2,029,000	76,000	3,123,000	1,716,000	76,000	17,842,000	443,000
S&E occupations	6,407,000	387,000	10,000	1,321,000	308,000	12,000	4,267,000	103,000
Science occupations	4,688,000	268,000	6,000	1,042,000	234,000	8,000	3,054,000	76,000
Biological/life scientist	631,000	37,000	2,000	114,000	16,000	1,000	449,000	12,000
Agricultural/food scientist	52,000	3,000	D	8,000	2,000	D	38,000	*
Biological/medical scientist	443,000	28,000	1,000	98,000	11,000	*	296,000	10,000
Forestry and conservation scientist	59,000	3,000	D	*	*	D	55,000	D
Postsecondary teacher	78,000	4,000	D	7,000	3,000	D	61,000	2,000
Computer and information scientist	2,846,000	148,000	2,000	725,000	154,000	6,000	1,766,000	46,000
Computer/information scientist	2,823,000	145,000	1,000	722,000	152,000	6,000	1,752,000	45,000
Postsecondary teacher	22,000	2,000	D	3,000	S	D	14,000	D
Mathematical scientist	310,000	11,000	D	88,000	8,000	D	198,000	5,000
Mathematical scientist	218,000	8,000	D	75,000	5,000	D	126,000	4,000
Postsecondary teacher	92,000	3,000	D	13,000	3,000	D	72,000	D
Physical scientist	331,000	17,000	1,000	64,000	13,000	D	233,000	3,000
Chemist, except biochemist	105,000	7,000	D	24,000	6,000	D	67,000	1,000
Earth scientist/geologist/oceanographer	66,000	2,000	D	6,000	1,000	D	56,000	1,000
Physicist/astronomer	49,000	2,000	D	16,000	S	D	29,000	S
Other physical scientist	45,000	3,000	D	6,000	1,000	D	34,000	D
Postsecondary teacher	65,000	3,000	D	12,000	4,000	D	46,000	D
Psychologist	251,000	31,000	D	17,000	22,000	D	176,000	5,000
Psychologist	213,000	28,000	D	12,000	18,000	D	151,000	3,000
Postsecondary teacher	38,000	3,000	D	4,000	4,000	D	26,000	1,000
Social scientist	319,000	25,000	S	34,000	20,000	S	231,000	6,000
Economist	32,000	4,000	D	5,000	2,000	D	20,000	*
Political scientist	25,000	S	D	S	S	D	19,000	D
Sociologist/anthropologist	31,000	2,000	D	1,000	S	D	24,000	D
Other social scientist	108,000	8,000	D	15,000	7,000	D	74,000	3,000
Postsecondary teacher	124,000	6,000	S	11,000	9,000	D	94,000	2,000
Engineering occupations	1,719,000	120,000	4,000	279,000	74,000	4,000	1,213,000	27,000
Aerospace engineer	96,000	11,000	D	12,000	2,000	D	68,000	S
Chemical engineer	80,000	4,000	D	13,000	S	D	59,000	2,000
Civil engineer	251,000	20,000	D	37,000	11,000	S	176,000	5,000
Electrical engineer	360,000	25,000	D	85,000	17,000	1,000	226,000	5,000
Industrial engineer	82,000	7,000	D	13,000	7,000	D	55,000	*
Mechanical engineer	337,000	19,000	S	46,000	12,000	1,000	255,000	5,000
Other engineer	460,000	29,000	D	57,000	21,000	D	343,000	7,000
Postsecondary teacher	53,000	3,000	D	16,000	1,000	D	32,000	S

TABLE 9-6. Employed scientists and engineers, by highest degree level, occupation, ethnicity, and race: 2015

Highest degree and occupation	All ethnicities and races	Hispanic or Latino ^a	Not Hispanic or Latino					
			American Indian or Alaska Native	Asian	Black or African American	Native Hawaiian or Other Pacific Islander	White	More than one race
S&E-related occupations	7,867,000	629,000	27,000	871,000	515,000	21,000	5,676,000	128,000
Health occupations	4,883,000	415,000	19,000	542,000	312,000	15,000	3,512,000	69,000
S&E manager, including health	967,000	60,000	5,000	124,000	63,000	S	701,000	11,000
S&E precollege teacher	1,029,000	81,000	2,000	34,000	64,000	*	817,000	31,000
S&E technician/technologist	782,000	57,000	S	145,000	70,000	S	489,000	16,000
Other S&E-related occupation	207,000	16,000	D	25,000	5,000	D	157,000	1,000
Non-S&E occupations	11,031,000	1,012,000	39,000	931,000	894,000	43,000	7,900,000	211,000
Art, humanities, and related occupation	331,000	16,000	D	21,000	16,000	D	267,000	9,000
Management-related occupation	2,085,000	196,000	5,000	220,000	193,000	12,000	1,431,000	28,000
Non-S&E manager	1,825,000	117,000	4,000	158,000	75,000	6,000	1,440,000	24,000
Non-S&E postsecondary teacher	184,000	12,000	S	16,000	13,000	D	137,000	2,000
Non-S&E precollege teacher	825,000	85,000	S	47,000	89,000	9,000	586,000	8,000
Sales and marketing occupation	1,467,000	122,000	S	139,000	93,000	S	1,066,000	36,000
Social services and related occupation	883,000	109,000	5,000	40,000	124,000	S	581,000	23,000
Other non-S&E occupation	3,430,000	355,000	11,000	290,000	291,000	10,000	2,391,000	81,000
Bachelor's	13,998,000	1,218,000	44,000	1,452,000	1,000,000	54,000	9,974,000	257,000
S&E occupations	3,518,000	234,000	7,000	528,000	173,000	8,000	2,507,000	62,000
Science occupations	2,436,000	151,000	4,000	404,000	128,000	5,000	1,699,000	45,000
Biological/life scientist	241,000	16,000	S	24,000	7,000	S	185,000	6,000
Agricultural/food scientist	25,000	S	D	S	S	D	20,000	D
Biological/medical scientist	173,000	12,000	D	21,000	5,000	D	129,000	6,000
Forestry and conservation scientist	33,000	S	D	D	D	D	29,000	D
Postsecondary teacher	10,000	D	D	S	D	D	8,000	D
Computer and information scientist	1,872,000	117,000	1,000	329,000	105,000	4,000	1,282,000	35,000
Computer/information scientist	1,870,000	117,000	1,000	329,000	105,000	4,000	1,281,000	35,000
Postsecondary teacher	2,000	D	D	D	D	D	1,000	D
Mathematical scientist	106,000	2,000	D	17,000	2,000	D	83,000	2,000
Mathematical scientist	84,000	2,000	D	S	1,000	D	S	2,000
Postsecondary teacher	21,000	D	D	S	D	D	18,000	D
Physical scientist	126,000	7,000	*	18,000	6,000	D	94,000	1,000
Chemist, except biochemist	56,000	3,000	D	8,000	4,000	D	40,000	D
Earth scientist/geologist/oceanographer	25,000	1,000	D	S	*	D	22,000	*
Physicist/astronomer	10,000	S	D	S	S	D	7,000	D
Other physical scientist	26,000	1,000	D	S	D	D	21,000	D
Postsecondary teacher	9,000	S	D	3,000	D	D	5,000	D
Psychologist	29,000	3,000	D	S	3,000	D	16,000	D
Psychologist	24,000	2,000	D	S	D	D	13,000	D
Postsecondary teacher	6,000	D	D	D	D	D	S	D

TABLE 9-6. Employed scientists and engineers, by highest degree level, occupation, ethnicity, and race: 2015

Highest degree and occupation	All ethnicities and races	Hispanic or Latino ^a	Not Hispanic or Latino					
			American Indian or Alaska Native	Asian	Black or African American	Native Hawaiian or Other Pacific Islander	White	More than one race
Social scientist	61,000	5,000	*	9,000	6,000	D	39,000	1,000
Economist	7,000	*	D	S	D	D	6,000	D
Political scientist	3,000	*	D	D	D	D	3,000	D
Sociologist/anthropologist	9,000	*	D	D	D	D	5,000	D
Other social scientist	34,000	S	D	6,000	3,000	D	21,000	D
Postsecondary teacher	8,000	S	D	S	D	D	5,000	D
Engineering occupations	1,083,000	83,000	3,000	124,000	45,000	3,000	808,000	16,000
Aerospace engineer	52,000	6,000	D	8,000	1,000	D	35,000	S
Chemical engineer	56,000	3,000	D	7,000	S	D	42,000	2,000
Civil engineer	147,000	12,000	D	16,000	6,000	S	108,000	S
Electrical engineer	214,000	18,000	D	30,000	11,000	1,000	151,000	2,000
Industrial engineer	57,000	7,000	D	5,000	S	D	40,000	D
Mechanical engineer	227,000	14,000	D	17,000	9,000	*	185,000	2,000
Other engineer	313,000	22,000	D	35,000	10,000	D	238,000	6,000
Postsecondary teacher	16,000	D	D	S	D	D	9,000	D
S&E-related occupations	4,222,000	354,000	20,000	412,000	306,000	15,000	3,044,000	70,000
Health occupations	2,524,000	224,000	12,000	260,000	194,000	9,000	1,787,000	36,000
S&E manager, including health	521,000	34,000	4,000	50,000	29,000	S	396,000	5,000
S&E precollege teacher	461,000	41,000	1,000	16,000	20,000	*	370,000	S
S&E technician/technologist	583,000	44,000	S	71,000	59,000	S	390,000	15,000
Other S&E-related occupation	132,000	11,000	D	14,000	S	D	100,000	D
Non-S&E occupations	6,258,000	630,000	18,000	512,000	521,000	31,000	4,422,000	125,000
Art, humanities, and related occupation	192,000	7,000	D	12,000	11,000	D	158,000	S
Management-related occupation	1,188,000	111,000	1,000	120,000	106,000	8,000	824,000	18,000
Non-S&E manager	879,000	50,000	2,000	59,000	24,000	S	732,000	8,000
Non-S&E postsecondary teacher	24,000	2,000	D	2,000	4,000	D	15,000	D
Non-S&E precollege teacher	355,000	42,000	S	22,000	49,000	9,000	229,000	3,000
Sales and marketing occupation	1,105,000	104,000	S	85,000	71,000	S	809,000	24,000
Social services and related occupation	286,000	47,000	S	8,000	48,000	D	177,000	4,000
Other non-S&E occupation	2,230,000	268,000	3,000	203,000	208,000	5,000	1,478,000	64,000
Master's	7,718,000	558,000	25,000	1,132,000	545,000	21,000	5,296,000	141,000
S&E occupations	2,076,000	104,000	3,000	603,000	103,000	4,000	1,227,000	32,000
Science occupations	1,551,000	74,000	2,000	487,000	77,000	3,000	884,000	24,000
Biological/life scientist	169,000	8,000	*	27,000	5,000	D	126,000	3,000
Agricultural/food scientist	19,000	S	D	4,000	*	D	14,000	D
Biological/medical scientist	107,000	6,000	D	21,000	3,000	D	74,000	2,000
Forestry and conservation scientist	S	*	D	D	D	D	S	D
Postsecondary teacher	19,000	1,000	D	2,000	S	D	14,000	D

TABLE 9-6. Employed scientists and engineers, by highest degree level, occupation, ethnicity, and race: 2015

Highest degree and occupation	All ethnicities and races	Hispanic or Latino ^a	Not Hispanic or Latino					
			American Indian or Alaska Native	Asian	Black or African American	Native Hawaiian or Other Pacific Islander	White	More than one race
Computer and information scientist	898,000	26,000	*	367,000	46,000	2,000	445,000	11,000
Computer/information scientist	887,000	25,000	D	367,000	46,000	2,000	437,000	10,000
Postsecondary teacher	12,000	S	D	*	S	D	8,000	D
Mathematical scientist	150,000	7,000	D	S	4,000	D	75,000	2,000
Mathematical scientist	106,000	6,000	D	S	2,000	D	41,000	S
Postsecondary teacher	44,000	1,000	D	7,000	1,000	D	34,000	D
Physical scientist	85,000	4,000	D	15,000	3,000	D	62,000	2,000
Chemist, except biochemist	21,000	1,000	D	5,000	1,000	D	14,000	*
Earth scientist/geologist/oceanographer	28,000	S	D	2,000	S	D	25,000	*
Physicist/astronomer	12,000	*	D	5,000	D	D	6,000	D
Other physical scientist	11,000	1,000	D	1,000	S	D	8,000	D
Postsecondary teacher	13,000	*	D	3,000	S	D	9,000	D
Psychologist	108,000	S	D	2,000	14,000	D	73,000	3,000
Psychologist	97,000	S	D	2,000	12,000	D	66,000	2,000
Postsecondary teacher	11,000	D	D	*	S	D	7,000	D
Social scientist	141,000	13,000	S	15,000	6,000	S	103,000	3,000
Economist	12,000	2,000	D	S	1,000	D	6,000	*
Political scientist	17,000	S	D	D	D	D	12,000	D
Sociologist/anthropologist	14,000	S	D	S	*	D	11,000	D
Other social scientist	55,000	4,000	D	7,000	1,000	D	41,000	S
Postsecondary teacher	43,000	2,000	D	3,000	3,000	D	32,000	1,000
Engineering occupations	525,000	31,000	S	116,000	26,000	*	343,000	8,000
Aerospace engineer	38,000	4,000	D	3,000	1,000	D	29,000	1,000
Chemical engineer	16,000	1,000	D	3,000	*	D	12,000	D
Civil engineer	97,000	7,000	D	19,000	5,000	D	64,000	2,000
Electrical engineer	123,000	6,000	D	44,000	5,000	D	65,000	2,000
Industrial engineer	21,000	*	D	4,000	2,000	D	14,000	D
Mechanical engineer	95,000	4,000	D	24,000	3,000	D	61,000	2,000
Other engineer	127,000	6,000	D	17,000	10,000	D	93,000	1,000
Postsecondary teacher	8,000	1,000	D	2,000	*	D	5,000	D
S&E-related occupations	2,064,000	152,000	5,000	204,000	135,000	6,000	1,521,000	39,000
Health occupations	1,000,000	79,000	5,000	66,000	66,000	S	763,000	16,000
S&E manager, including health	296,000	16,000	1,000	53,000	20,000	D	202,000	4,000
S&E precollege teacher	530,000	40,000	*	17,000	38,000	D	416,000	18,000
S&E technician/technologist	166,000	12,000	D	58,000	11,000	D	85,000	1,000
Other S&E-related occupation	73,000	6,000	D	10,000	D	D	56,000	D

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Highest degree and occupation	All ethnicities and races	Hispanic or Latino ^a	Not Hispanic or Latino					More than one race
			American Indian or Alaska Native	Asian	Black or African American	Native Hawaiian or Other Pacific Islander	White	
Non-S&E occupations	3,578,000	301,000	17,000	325,000	307,000	11,000	2,548,000	70,000
Art, humanities, and related occupation	104,000	S	D	8,000	S	D	78,000	7,000
Management-related occupation	782,000	77,000	S	88,000	79,000	S	522,000	8,000
Non-S&E manager	758,000	56,000	2,000	80,000	43,000	S	561,000	14,000
Non-S&E postsecondary teacher	66,000	6,000	D	4,000	4,000	D	50,000	1,000
Non-S&E precollege teacher	449,000	42,000	D	23,000	38,000	*	341,000	4,000
Sales and marketing occupation	328,000	14,000	S	43,000	20,000	D	240,000	11,000
Social services and related occupation	566,000	60,000	3,000	26,000	67,000	D	392,000	18,000
Other non-S&E occupation	526,000	39,000	S	53,000	51,000	S	365,000	5,000
Doctorate	1,361,000	64,000	S	280,000	66,000	1,000	930,000	16,000
S&E occupations	751,000	38,000	*	182,000	29,000	D	493,000	9,000
Science occupations	644,000	33,000	*	145,000	25,000	D	434,000	7,000
Biological/life scientist	207,000	11,000	D	58,000	4,000	D	130,000	3,000
Agricultural/food scientist	8,000	1,000	D	3,000	D	D	4,000	D
Biological/medical scientist	151,000	9,000	D	51,000	2,000	D	87,000	2,000
Forestry and conservation scientist	2,000	D	D	D	D	D	2,000	D
Postsecondary teacher	46,000	2,000	D	4,000	S	D	37,000	S
Computer and information scientist	67,000	3,000	D	29,000	3,000	D	32,000	D
Computer/information scientist	58,000	2,000	D	26,000	2,000	D	27,000	D
Postsecondary teacher	9,000	S	D	3,000	D	D	5,000	D
Mathematical scientist	50,000	2,000	D	10,000	2,000	D	36,000	D
Mathematical scientist	23,000	1,000	D	6,000	1,000	D	16,000	D
Postsecondary teacher	26,000	2,000	D	4,000	S	D	20,000	D
Physical scientist	119,000	6,000	D	32,000	5,000	D	77,000	1,000
Chemist, except biochemist	28,000	3,000	D	12,000	D	D	13,000	D
Earth scientist/geologist/oceanographer	13,000	D	D	S	D	D	10,000	D
Physicist/astronomer	27,000	1,000	D	9,000	D	D	17,000	D
Other physical scientist	7,000	D	D	2,000	D	D	5,000	D
Postsecondary teacher	43,000	2,000	D	6,000	S	D	33,000	D
Psychologist	93,000	5,000	D	6,000	5,000	D	75,000	2,000
Psychologist	73,000	4,000	D	2,000	4,000	D	61,000	1,000
Postsecondary teacher	19,000	*	D	4,000	1,000	D	14,000	D
Social scientist	108,000	5,000	D	11,000	6,000	D	85,000	1,000
Economist	12,000	S	D	2,000	S	D	8,000	D
Political scientist	S	D	D	D	D	D	S	D
Sociologist/anthropologist	9,000	*	D	D	D	D	8,000	D
Other social scientist	14,000	1,000	D	2,000	D	D	11,000	D
Postsecondary teacher	70,000	2,000	D	6,000	5,000	D	56,000	S

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Highest degree and occupation	All ethnicities and races	Hispanic or Latino ^a	Not Hispanic or Latino					
			American Indian or Alaska Native	Asian	Black or African American	Native Hawaiian or Other Pacific Islander	White	More than one race
Engineering occupations	107,000	5,000	D	38,000	3,000	D	59,000	2,000
Aerospace engineer	6,000	S	D	1,000	S	D	4,000	D
Chemical engineer	8,000	*	D	3,000	D	D	5,000	D
Civil engineer	6,000	D	D	2,000	D	D	3,000	D
Electrical engineer	22,000	1,000	D	11,000	D	D	9,000	D
Industrial engineer	S	D	D	S	D	D	D	D
Mechanical engineer	13,000	D	D	5,000	*	D	7,000	D
Other engineer	20,000	1,000	D	5,000	S	D	12,000	D
Postsecondary teacher	29,000	1,000	D	8,000	S	D	18,000	D
S&E-related occupations	229,000	10,000	D	51,000	10,000	D	152,000	5,000
Health occupations	129,000	8,000	D	25,000	6,000	D	85,000	S
S&E manager, including health	50,000	1,000	D	9,000	S	D	38,000	D
S&E precollege teacher	17,000	*	D	S	S	D	14,000	D
S&E technician/technologist	30,000	*	D	15,000	*	D	14,000	D
Other S&E-related occupation	2,000	D	D	S	D	D	S	D
Non-S&E occupations	381,000	16,000	D	47,000	27,000	D	285,000	2,000
Art, humanities, and related occupation	23,000	D	D	S	D	D	21,000	D
Management-related occupation	61,000	2,000	D	9,000	6,000	D	43,000	D
Non-S&E manager	128,000	3,000	D	16,000	6,000	D	103,000	S
Non-S&E postsecondary teacher	80,000	4,000	D	9,000	4,000	D	59,000	S
Non-S&E precollege teacher	14,000	D	D	D	S	D	S	D
Sales and marketing occupation	15,000	S	D	5,000	D	D	6,000	D
Social services and related occupation	19,000	2,000	D	S	7,000	D	9,000	D
Other non-S&E occupation	41,000	2,000	D	4,000	2,000	D	33,000	D

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

S&E = science and engineering.

^a Persons of Hispanic or Latino origin may be of any race.

^b 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.