

TABLE 9-19. Employed scientists and engineers, by sector of employment, broad occupation, sex, ethnicity, race, and disability status: 2015

Employment sector and occupation	Sex			Not Hispanic or Latino						Disability status		
	Total	Female	Male	Hispanic or Latino <sup>a</sup>	American Indian or Alaska Native	Asian	Black or African American	Native Hawaiian or Other Pacific Islander	White	More than one race	Without disability	With disability
All employment sectors	25,306,000	11,897,000	13,409,000	2,029,000	76,000	3,123,000	1,716,000	76,000	17,842,000	443,000	23,030,000	2,275,000
S&E occupations	6,407,000	1,818,000	4,590,000	387,000	10,000	1,321,000	308,000	12,000	4,267,000	103,000	5,894,000	513,000
Science occupations	4,688,000	1,568,000	3,120,000	268,000	6,000	1,042,000	234,000	8,000	3,054,000	76,000	4,328,000	360,000
Biological/life scientist	631,000	302,000	329,000	37,000	2,000	114,000	16,000	1,000	449,000	12,000	592,000	39,000
Computer and information scientist	2,846,000	698,000	2,148,000	148,000	2,000	725,000	154,000	6,000	1,766,000	46,000	2,621,000	225,000
Mathematical scientist	310,000	135,000	175,000	11,000	D	88,000	8,000	D	198,000	5,000	292,000	18,000
Physical scientist	331,000	92,000	239,000	17,000	1,000	64,000	13,000	D	233,000	3,000	298,000	33,000
Psychologist	251,000	176,000	76,000	31,000	D	17,000	22,000	D	176,000	5,000	233,000	18,000
Social scientist	319,000	166,000	153,000	25,000	S	34,000	20,000	S	231,000	6,000	292,000	27,000
Engineering occupations	1,719,000	250,000	1,469,000	120,000	4,000	279,000	74,000	4,000	1,213,000	27,000	1,566,000	153,000
S&E-related occupations	7,867,000	4,558,000	3,309,000	629,000	27,000	871,000	515,000	21,000	5,676,000	128,000	7,285,000	583,000
Non-S&E occupations	11,031,000	5,521,000	5,510,000	1,012,000	39,000	931,000	894,000	43,000	7,900,000	211,000	9,852,000	1,179,000
Business or industry	13,593,000	5,088,000	8,505,000	1,019,000	32,000	2,016,000	762,000	33,000	9,526,000	205,000	12,439,000	1,154,000
S&E occupations	4,078,000	884,000	3,194,000	245,000	4,000	917,000	170,000	6,000	2,673,000	64,000	3,767,000	311,000
Science occupations	2,753,000	697,000	2,055,000	156,000	2,000	711,000	119,000	4,000	1,718,000	43,000	2,552,000	201,000
Biological/life scientist	189,000	92,000	97,000	11,000	S	38,000	4,000	D	133,000	2,000	181,000	9,000
Computer and information scientist	2,214,000	487,000	1,726,000	120,000	S	618,000	103,000	3,000	1,333,000	35,000	2,045,000	169,000
Mathematical scientist	125,000	32,000	93,000	6,000	D	28,000	2,000	D	85,000	3,000	121,000	4,000
Physical scientist	132,000	35,000	97,000	9,000	*	17,000	5,000	D	100,000	1,000	121,000	11,000
Psychologist	42,000	28,000	14,000	5,000	D	1,000	3,000	D	33,000	1,000	39,000	3,000
Social scientist	50,000	23,000	28,000	5,000	D	9,000	2,000	D	34,000	1,000	45,000	6,000
Engineering occupations	1,325,000	187,000	1,138,000	90,000	2,000	206,000	51,000	2,000	955,000	20,000	1,215,000	110,000
S&E-related occupations	3,750,000	1,908,000	1,842,000	306,000	12,000	497,000	221,000	8,000	2,658,000	49,000	3,461,000	289,000
Non-S&E occupations	5,765,000	2,296,000	3,469,000	468,000	17,000	602,000	372,000	20,000	4,195,000	92,000	5,211,000	554,000
Federal government	1,157,000	460,000	698,000	132,000	9,000	90,000	151,000	3,000	749,000	24,000	1,013,000	145,000
S&E occupations	369,000	103,000	266,000	24,000	S	28,000	34,000	1,000	272,000	9,000	330,000	39,000
Science occupations	251,000	84,000	167,000	14,000	1,000	19,000	26,000	S	185,000	7,000	228,000	23,000
Biological/life scientist	63,000	24,000	39,000	2,000	*	5,000	2,000	D	52,000	1,000	61,000	2,000
Computer and information scientist	102,000	29,000	73,000	S	D	9,000	19,000	D	66,000	4,000	87,000	15,000
Mathematical scientist	15,000	6,000	10,000	*	D	2,000	1,000	D	12,000	D	14,000	1,000
Physical scientist	34,000	6,000	28,000	1,000	D	3,000	1,000	D	28,000	*	30,000	4,000
Psychologist	11,000	7,000	4,000	2,000	D	D	1,000	D	8,000	D	11,000	D
Social scientist	25,000	13,000	12,000	4,000	*	1,000	S	D	18,000	*	24,000	2,000
Engineering occupations	118,000	19,000	99,000	10,000	D	9,000	8,000	D	87,000	3,000	102,000	16,000
S&E-related occupations	290,000	140,000	150,000	29,000	S	29,000	60,000	D	163,000	4,000	270,000	20,000
Non-S&E occupations	498,000	217,000	282,000	80,000	2,000	34,000	57,000	S	314,000	11,000	413,000	86,000

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Employment sector and occupation	Sex			Not Hispanic or Latino							Disability status	
	Total	Female	Male	Hispanic or Latino <sup>a</sup>	American Indian or Alaska Native	Asian	Black or African American	Native Hawaiian or Other Pacific Islander	White	More than one race	Without disability	With disability
Nonprofit	2,741,000	1,854,000	886,000	213,000	14,000	258,000	187,000	6,000	2,014,000	49,000	2,531,000	209,000
S&E occupations	304,000	144,000	160,000	18,000	D	55,000	13,000	D	214,000	2,000	284,000	20,000
Science occupations	278,000	139,000	138,000	16,000	D	52,000	11,000	D	194,000	2,000	260,000	18,000
Biological/life scientist	47,000	30,000	18,000	4,000	D	12,000	1,000	D	30,000	*	43,000	4,000
Computer and information scientist	159,000	69,000	90,000	7,000	D	25,000	7,000	D	118,000	1,000	148,000	11,000
Mathematical scientist	7,000	3,000	4,000	*	D	1,000	*	D	5,000	D	7,000	D
Physical scientist	11,000	4,000	7,000	1,000	D	S	D	D	6,000	D	10,000	D
Psychologist	25,000	19,000	6,000	S	D	S	3,000	D	14,000	D	24,000	*
Social scientist	29,000	16,000	13,000	2,000	D	4,000	1,000	D	21,000	D	28,000	S
Engineering occupations	26,000	5,000	21,000	2,000	D	3,000	S	D	20,000	D	24,000	2,000
S&E-related occupations	1,408,000	1,041,000	366,000	94,000	6,000	139,000	88,000	4,000	1,059,000	18,000	1,324,000	84,000
Non-S&E occupations	1,029,000	669,000	360,000	101,000	S	64,000	86,000	S	740,000	29,000	924,000	105,000
Self-employed	1,561,000	771,000	790,000	136,000	6,000	129,000	70,000	3,000	1,190,000	27,000	1,310,000	252,000
S&E occupations	202,000	64,000	138,000	8,000	D	17,000	6,000	D	167,000	S	175,000	27,000
Science occupations	166,000	62,000	105,000	6,000	D	13,000	5,000	D	139,000	S	146,000	20,000
Biological/life scientist	13,000	4,000	9,000	S	D	D	D	D	11,000	D	12,000	1,000
Computer and information scientist	88,000	18,000	70,000	2,000	D	10,000	S	D	69,000	S	77,000	11,000
Mathematical scientist	2,000	1,000	1,000	D	D	D	D	D	1,000	D	1,000	D
Physical scientist	7,000	1,000	7,000	D	D	D	D	D	7,000	D	6,000	S
Psychologist	43,000	31,000	12,000	2,000	D	1,000	S	D	38,000	D	37,000	6,000
Social scientist	14,000	7,000	6,000	D	D	S	D	D	12,000	D	13,000	S
Engineering occupations	35,000	3,000	33,000	2,000	D	4,000	D	D	28,000	D	29,000	7,000
S&E-related occupations	339,000	187,000	152,000	34,000	D	45,000	8,000	D	244,000	5,000	294,000	45,000
Non-S&E occupations	1,021,000	520,000	500,000	94,000	5,000	66,000	55,000	S	780,000	19,000	841,000	180,000
State or local government	1,571,000	754,000	817,000	149,000	3,000	121,000	206,000	14,000	1,039,000	39,000	1,431,000	141,000
S&E occupations	352,000	113,000	240,000	22,000	S	42,000	34,000	4,000	243,000	6,000	327,000	25,000
Science occupations	255,000	93,000	162,000	14,000	S	28,000	26,000	3,000	179,000	4,000	238,000	17,000
Biological/life scientist	70,000	26,000	44,000	3,000	D	3,000	2,000	D	59,000	S	65,000	6,000
Computer and information scientist	108,000	26,000	82,000	5,000	D	21,000	14,000	S	66,000	D	101,000	7,000
Mathematical scientist	12,000	8,000	S	D	D	*	D	D	10,000	D	12,000	D
Physical scientist	23,000	13,000	9,000	2,000	D	2,000	*	D	18,000	D	21,000	2,000
Psychologist	16,000	8,000	S	S	D	D	S	D	6,000	D	15,000	D
Social scientist	26,000	11,000	15,000	2,000	D	S	2,000	D	19,000	D	24,000	1,000
Engineering occupations	98,000	20,000	78,000	9,000	D	14,000	8,000	D	64,000	2,000	89,000	8,000
S&E-related occupations	367,000	192,000	174,000	34,000	1,000	37,000	41,000	S	242,000	7,000	333,000	34,000
Non-S&E occupations	852,000	449,000	403,000	93,000	1,000	42,000	131,000	S	554,000	27,000	770,000	82,000

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Universities and 4-year colleges <sup>b</sup>	1,981,000	1,078,000	903,000	132,000	S	388,000	115,000	S	1,297,000	37,000	1,842,000	139,000
S&E occupations	907,000	389,000	518,000	52,000	*	247,000	38,000	D	556,000	13,000	831,000	76,000
Science occupations	795,000	373,000	422,000	45,000	*	204,000	34,000	D	500,000	11,000	729,000	66,000
Biological/life scientist	229,000	115,000	114,000	14,000	D	55,000	7,000	D	147,000	5,000	212,000	17,000
Computer and information scientist	130,000	45,000	85,000	6,000	D	36,000	6,000	D	81,000	*	120,000	10,000
Mathematical scientist	112,000	S	48,000	3,000	D	S	2,000	D	52,000	D	107,000	5,000
Physical scientist	114,000	29,000	85,000	4,000	D	37,000	5,000	D	67,000	1,000	100,000	14,000
Psychologist	57,000	35,000	21,000	7,000	D	5,000	3,000	D	41,000	1,000	52,000	5,000
Social scientist	153,000	85,000	68,000	11,000	*	17,000	11,000	D	111,000	3,000	138,000	15,000
Engineering occupations	112,000	16,000	95,000	8,000	D	43,000	4,000	D	56,000	S	102,000	10,000
S&E-related occupations	490,000	320,000	170,000	28,000	D	88,000	25,000	D	333,000	12,000	470,000	20,000
Non-S&E occupations	585,000	369,000	216,000	51,000	S	53,000	52,000	S	408,000	12,000	542,000	43,000
Other educational institutions	2,701,000	1,891,000	810,000	249,000	5,000	122,000	225,000	11,000	2,028,000	61,000	2,464,000	237,000
S&E occupations	195,000	120,000	75,000	18,000	1,000	15,000	12,000	S	143,000	5,000	180,000	15,000
Science occupations	190,000	120,000	71,000	18,000	1,000	14,000	12,000	S	139,000	5,000	176,000	15,000
Biological/life scientist	19,000	11,000	8,000	1,000	D	1,000	D	D	16,000	D	18,000	1,000
Computer and information scientist	45,000	24,000	21,000	3,000	D	S	S	D	32,000	S	43,000	S
Mathematical scientist	37,000	21,000	16,000	1,000	D	1,000	3,000	D	32,000	D	30,000	S
Physical scientist	10,000	3,000	7,000	D	D	S	2,000	D	6,000	D	9,000	D
Psychologist	58,000	48,000	10,000	S	D	S	4,000	D	38,000	2,000	54,000	3,000
Social scientist	22,000	12,000	10,000	1,000	D	D	1,000	D	16,000	S	21,000	1,000
Engineering occupations	5,000	1,000	4,000	D	D	S	D	D	4,000	D	4,000	D
S&E-related occupations	1,225,000	770,000	455,000	104,000	2,000	37,000	71,000	S	976,000	33,000	1,133,000	92,000
Non-S&E occupations	1,281,000	1,001,000	280,000	127,000	3,000	70,000	141,000	9,000	909,000	23,000	1,152,000	129,000

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

S&E = science and engineering.

<sup>a</sup> Persons of Hispanic or Latino origin may be of any race.

<sup>b</sup> Includes medical schools and university research institutes.

NOTES: Numbers rounded to nearest 1,000. Detail may not add to total because of rounding and suppression. The National Survey of College Graduates asks the degree of difficulty—none, slight, moderate, severe, or unable to do—an individual has in seeing (with glasses), hearing (with hearing aid), walking without assistance, lifting 10 pounds, or concentrating, remembering, or making decisions. Respondents who answered "moderate," "severe," or "unable to do" for any activity were classified as having a disability. 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.