

TABLE 9-8

Employed scientists and engineers, by occupation, highest degree level, and disability status: 2017

(Number)

Occupation	All degrees ^a			Bachelor's			Master's			Doctorate		
	Total	Without disability	With disability	Total	Without disability	With disability	Total	Without disability	With disability	Total	Without disability	With disability
All occupations	27,273,000	24,454,000	2,820,000	15,198,000	13,497,000	1,701,000	8,236,000	7,413,000	823,000	1,503,000	1,376,000	127,000
S&E occupations	6,769,000	6,120,000	649,000	3,846,000	3,461,000	385,000	2,069,000	1,868,000	201,000	786,000	729,000	57,000
Science occupations	5,041,000	4,572,000	469,000	2,786,000	2,509,000	276,000	1,521,000	1,381,000	140,000	670,000	622,000	48,000
Biological/life scientist	610,000	570,000	41,000	230,000	214,000	16,000	149,000	138,000	11,000	217,000	203,000	14,000
Agricultural/food science	41,000	38,000	3,000	18,000	17,000	1,000	13,000	11,000	S	10,000	10,000	D
Biological/scientist	455,000	429,000	27,000	183,000	170,000	13,000	108,000	101,000	7,000	153,000	146,000	7,000
Forestry and conservation scientist	27,000	26,000	1,000	15,000	14,000	S	11,000	10,000	*	1,000	1,000	D
Postsecondary teacher	87,000	77,000	10,000	S	S	D	17,000	15,000	2,000	53,000	46,000	7,000
Computer and information scientist	3,128,000	2,842,000	286,000	2,100,000	1,904,000	197,000	921,000	838,000	83,000	95,000	91,000	4,000
Computer/information scientist	3,096,000	2,811,000	285,000	2,096,000	1,899,000	197,000	911,000	828,000	83,000	78,000	75,000	3,000
Postsecondary teacher	32,000	31,000	1,000	4,000	4,000	D	10,000	10,000	D	17,000	16,000	1,000
Mathematical scientist	292,000	270,000	21,000	119,000	111,000	8,000	117,000	107,000	11,000	55,000	52,000	2,000
Mathematical scientist	209,000	195,000	14,000	108,000	102,000	6,000	75,000	69,000	S	25,000	24,000	1,000
Postsecondary teacher	82,000	75,000	8,000	11,000	9,000	S	42,000	38,000	4,000	30,000	28,000	1,000
Physical scientist	366,000	332,000	34,000	164,000	148,000	16,000	98,000	91,000	7,000	101,000	90,000	11,000
Chemist, except biochemist	109,000	99,000	10,000	63,000	56,000	8,000	26,000	24,000	1,000	20,000	19,000	1,000
Earth scientist/geologist/oceanographer	69,000	61,000	8,000	28,000	25,000	3,000	29,000	26,000	3,000	11,000	9,000	2,000
Physicist/astronomer	42,000	39,000	2,000	9,000	9,000	D	12,000	10,000	S	21,000	20,000	S
Other physical scientist	65,000	58,000	7,000	35,000	30,000	4,000	21,000	20,000	1,000	8,000	7,000	D
Postsecondary teachers	81,000	74,000	7,000	29,000	29,000	S	10,000	10,000	D	41,000	36,000	6,000
Psychologist	250,000	226,000	24,000	33,000	32,000	2,000	102,000	89,000	13,000	92,000	85,000	7,000
Psychologist	199,000	182,000	17,000	18,000	16,000	2,000	86,000	79,000	7,000	75,000	70,000	6,000
Postsecondary teacher	51,000	43,000	8,000	S	S	D	16,000	11,000	6,000	16,000	15,000	1,000
Social scientist	396,000	333,000	63,000	139,000	101,000	S	133,000	117,000	15,000	110,000	100,000	10,000
Economist	47,000	45,000	2,000	S	S	*	14,000	13,000	S	10,000	10,000	S
Political scientist	33,000	30,000	S	12,000	11,000	S	12,000	11,000	D	2,000	2,000	D
Sociologist/anthropologist	24,000	23,000	1,000	6,000	6,000	*	13,000	12,000	*	5,000	5,000	*
Other social scientist	159,000	122,000	S	89,000	56,000	S	55,000	51,000	4,000	14,000	14,000	D

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(Number)

Occupation	All degrees ^a			Bachelor's			Master's			Doctorate		
	Total	Without disability	With disability	Total	Without disability	With disability	Total	Without disability	With disability	Total	Without disability	With disability
Postsecondary teacher	133,000	113,000	19,000	9,000	6,000	S	40,000	31,000	9,000	79,000	70,000	8,000
Engineering occupations	1,728,000	1,548,000	180,000	1,061,000	952,000	109,000	548,000	488,000	61,000	116,000	107,000	9,000
Aerospace engineer	132,000	113,000	19,000	69,000	61,000	8,000	54,000	44,000	S	8,000	7,000	D
Chemical engineer	93,000	85,000	7,000	59,000	54,000	6,000	22,000	21,000	1,000	11,000	11,000	D
Civil engineer	264,000	236,000	28,000	169,000	151,000	18,000	91,000	82,000	9,000	4,000	3,000	D
Electrical engineer	374,000	343,000	32,000	215,000	194,000	22,000	138,000	129,000	9,000	20,000	19,000	1,000
Industrial engineer	88,000	78,000	10,000	57,000	51,000	6,000	28,000	25,000	4,000	2,000	2,000	D
Mechanical engineer	313,000	283,000	30,000	219,000	198,000	21,000	80,000	74,000	7,000	12,000	11,000	S
Other engineer	406,000	360,000	46,000	259,000	232,000	28,000	122,000	106,000	15,000	24,000	22,000	3,000
Postsecondary teacher	59,000	51,000	8,000	12,000	11,000	D	12,000	7,000	5,000	35,000	32,000	2,000
S&E-related occupations	8,271,000	7,532,000	739,000	4,338,000	3,914,000	424,000	2,262,000	2,054,000	208,000	267,000	238,000	29,000
Health occupations	5,181,000	4,771,000	410,000	2,671,000	2,436,000	235,000	1,066,000	981,000	86,000	166,000	143,000	23,000
S&E managers, including health	1,048,000	947,000	102,000	515,000	453,000	62,000	383,000	354,000	29,000	46,000	45,000	1,000
S&E pre-college teacher	961,000	853,000	108,000	400,000	351,000	49,000	527,000	472,000	55,000	22,000	19,000	3,000
S&E technician/technologist	837,000	739,000	98,000	586,000	520,000	66,000	209,000	179,000	30,000	32,000	30,000	2,000
Other S&E-related occupation	244,000	223,000	21,000	166,000	154,000	12,000	77,000	68,000	9,000	S	D	D
Non-S&E occupations	12,233,000	10,802,000	1,431,000	7,014,000	6,122,000	891,000	3,904,000	3,490,000	414,000	450,000	409,000	41,000
Arts, humanities, and related occupation	385,000	334,000	52,000	217,000	184,000	34,000	137,000	123,000	14,000	22,000	21,000	D
Management-related occupation	2,256,000	2,021,000	235,000	1,346,000	1,221,000	125,000	795,000	695,000	100,000	65,000	60,000	6,000
Non-S&E manager	2,018,000	1,796,000	222,000	1,022,000	888,000	134,000	795,000	728,000	67,000	131,000	120,000	12,000
Non-S&E postsecondary teacher	226,000	192,000	34,000	40,000	29,000	S	81,000	73,000	8,000	88,000	74,000	13,000
Non-S&E precollege teacher	902,000	805,000	97,000	421,000	361,000	60,000	454,000	419,000	35,000	11,000	10,000	D
Sales and marketing occupation	1,425,000	1,263,000	162,000	1,065,000	945,000	120,000	322,000	288,000	34,000	13,000	12,000	D
Social service and related occupation	967,000	847,000	121,000	373,000	313,000	60,000	552,000	496,000	56,000	30,000	27,000	S
Other non-S&E occupation	4,054,000	3,544,000	509,000	2,530,000	2,181,000	348,000	769,000	668,000	100,000	90,000	84,000	6,000

* = 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.

TABLE 9-8

Employed scientists and engineers, by occupation, highest degree level, and disability status: 2017

(Number)

Note(s)

Numbers are 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 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.