

Table 9-8

Employed scientists and engineers, by occupation, highest degree level, and disability status: 2019

(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	28,627,000	25,699,000	2,928,000	16,042,000	14,245,000	1,797,000	8,624,000	7,787,000	837,000	1,761,000	1,614,000	147,000
S&E occupations	7,466,000	6,795,000	671,000	4,176,000	3,742,000	433,000	2,286,000	2,121,000	165,000	938,000	869,000	69,000
Science occupations	5,545,000	5,050,000	495,000	3,017,000	2,695,000	323,000	1,667,000	1,556,000	110,000	799,000	741,000	58,000
Biological, agricultural, and other life scientist	698,000	642,000	56,000	277,000	253,000	24,000	152,000	143,000	9,000	254,000	233,000	22,000
Agricultural/ food scientist	58,000	51,000	S	29,000	26,000	S	15,000	15,000	*	13,000	10,000	S
Biological and medical scientist	500,000	468,000	32,000	206,000	192,000	14,000	111,000	103,000	7,000	174,000	164,000	10,000
Environmental life scientist	39,000	37,000	2,000	28,000	26,000	1,000	8,000	7,000	1,000	3,000	3,000	D
Postsecondary teacher	101,000	86,000	16,000	15,000	9,000	S	19,000	18,000	S	64,000	56,000	8,000
Computer and information scientist	3,409,000	3,106,000	303,000	2,277,000	2,033,000	244,000	1,014,000	959,000	55,000	107,000	102,000	5,000
Computer/ information scientist	3,379,000	3,078,000	301,000	2,271,000	2,028,000	243,000	1,001,000	948,000	53,000	95,000	91,000	4,000
Postsecondary teacher	30,000	28,000	3,000	6,000	5,000	D	13,000	11,000	S	11,000	11,000	D
Mathematical scientist	365,000	339,000	26,000	126,000	114,000	12,000	154,000	143,000	11,000	82,000	79,000	3,000
Mathematical scientist	284,000	263,000	21,000	115,000	104,000	11,000	115,000	106,000	9,000	51,000	50,000	1,000
Postsecondary teacher	81,000	76,000	5,000	11,000	10,000	D	39,000	37,000	2,000	31,000	29,000	2,000
Physical scientist	409,000	364,000	46,000	189,000	160,000	29,000	97,000	89,000	8,000	121,000	113,000	9,000
Chemist, except biochemist	132,000	113,000	20,000	71,000	54,000	S	32,000	31,000	1,000	29,000	28,000	S
Earth, atmospheric, and ocean scientist	85,000	77,000	7,000	45,000	42,000	3,000	25,000	22,000	3,000	13,000	13,000	D
Physicist	45,000	40,000	5,000	10,000	8,000	S	11,000	10,000	D	24,000	22,000	1,000
Other physical and related scientist, including astronomer	67,000	59,000	8,000	41,000	37,000	4,000	17,000	15,000	2,000	9,000	7,000	S
Postsecondary teacher	80,000	74,000	5,000	21,000	20,000	D	12,000	12,000	D	46,000	43,000	4,000
Psychologist	276,000	249,000	27,000	50,000	45,000	S	101,000	89,000	13,000	100,000	91,000	8,000
Psychologist	228,000	207,000	21,000	39,000	35,000	S	91,000	80,000	10,000	75,000	70,000	5,000
Postsecondary teacher	48,000	42,000	6,000	S	S	D	11,000	8,000	S	25,000	21,000	4,000
Social scientist	387,000	350,000	37,000	97,000	88,000	9,000	148,000	133,000	15,000	135,000	122,000	12,000
Economist	56,000	52,000	4,000	22,000	21,000	S	18,000	16,000	S	16,000	14,000	S
Political scientist	22,000	21,000	1,000	3,000	3,000	D	15,000	14,000	D	4,000	4,000	D
Anthropologist	16,000	13,000	3,000	3,000	3,000	S	5,000	4,000	S	7,000	7,000	S
Other social scientist, including sociologist	142,000	133,000	9,000	59,000	53,000	5,000	60,000	58,000	2,000	21,000	20,000	S
Postsecondary teacher	151,000	131,000	20,000	10,000	8,000	D	50,000	41,000	9,000	87,000	78,000	9,000
Engineering occupations	1,921,000	1,745,000	177,000	1,158,000	1,048,000	111,000	619,000	565,000	54,000	139,000	129,000	10,000

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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
Aerospace, aeronautical, or astronautical engineer	126,000	114,000	13,000	68,000	60,000	8,000	51,000	46,000	S	8,000	7,000	D
Chemical engineer	84,000	76,000	7,000	50,000	46,000	5,000	20,000	18,000	S	13,000	13,000	D
Civil, architectural, or sanitary engineer	294,000	267,000	28,000	191,000	173,000	18,000	94,000	84,000	10,000	9,000	9,000	D
Electrical or computer hardware engineer	412,000	374,000	38,000	226,000	202,000	24,000	153,000	141,000	12,000	32,000	31,000	S
Industrial engineer	95,000	81,000	14,000	62,000	55,000	7,000	32,000	25,000	S	S	S	D
Mechanical engineer	377,000	350,000	27,000	247,000	227,000	20,000	114,000	109,000	5,000	13,000	12,000	1,000
Other engineer	472,000	432,000	41,000	308,000	279,000	29,000	139,000	130,000	9,000	24,000	21,000	3,000
Postsecondary teacher	61,000	51,000	10,000	7,000	6,000	D	16,000	10,000	S	38,000	34,000	3,000
S&E-related occupations	8,893,000	8,148,000	745,000	4,794,000	4,325,000	470,000	2,332,000	2,139,000	193,000	387,000	354,000	33,000
Health-related occupation	5,728,000	5,327,000	401,000	2,978,000	2,731,000	247,000	1,213,000	1,120,000	93,000	259,000	241,000	18,000
S&E manager, including health	999,000	906,000	92,000	501,000	450,000	52,000	347,000	321,000	26,000	61,000	52,000	9,000
S&E pre-college teacher	925,000	817,000	108,000	395,000	336,000	59,000	493,000	447,000	47,000	27,000	25,000	S
S&E technician/ technologist	973,000	851,000	122,000	738,000	643,000	95,000	193,000	171,000	22,000	39,000	35,000	S
Other S&E-related occupation	270,000	247,000	23,000	182,000	165,000	17,000	86,000	79,000	6,000	1,000	1,000	D
Non-S&E occupations ^b	12,267,000	10,755,000	1,512,000	7,072,000	6,178,000	894,000	4,005,000	3,526,000	479,000	436,000	390,000	46,000
Arts, humanities, and related occupation	305,000	283,000	22,000	157,000	143,000	14,000	123,000	116,000	7,000	14,000	13,000	D
Management-related occupation	2,534,000	2,240,000	294,000	1,531,000	1,359,000	172,000	907,000	793,000	113,000	69,000	65,000	4,000
Non-S&E manager	2,003,000	1,794,000	209,000	1,026,000	917,000	109,000	778,000	695,000	83,000	137,000	122,000	15,000
Non-S&E postsecondary teacher	191,000	167,000	24,000	23,000	18,000	S	61,000	54,000	8,000	91,000	79,000	11,000
Non-S&E precollege teacher	924,000	801,000	122,000	371,000	322,000	49,000	534,000	467,000	67,000	10,000	8,000	D
Sales and marketing occupation	1,444,000	1,289,000	155,000	1,082,000	957,000	125,000	320,000	292,000	29,000	12,000	12,000	D
Social service and related occupation	1,057,000	930,000	127,000	418,000	370,000	48,000	582,000	511,000	71,000	37,000	29,000	8,000
Other non-S&E occupation	3,810,000	3,251,000	559,000	2,464,000	2,092,000	372,000	701,000	599,000	102,000	66,000	61,000	5,000

* = 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.^b Non-S&E occupations do not include S&E-related occupations.

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 Center for Science and Engineering Statistics, National Survey of College Graduates, 2019.