

Table SLBR-34

Employed S&E highest degree holders, by race or ethnicity, sex, and field of degree: 2019

(Number and percent)

Occupation	Asian		Black or African American		Hispanic or Latino		White		Other race or ethnicity	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Female S&E highest degree holders	922,000	100	506,000	100	670,000	100	3,845,000	100	188,000	100
Computer and mathematical scientists	266,000	29	35,000	7	36,000	5	275,000	7	13,000	7
Computer and information scientists	237,000	26	34,000	7	28,000	4	217,000	6	12,000	6
Mathematical scientists	20,000	2	1,000	0	6,000	1	34,000	1	1,000	1
Postsecondary teachers—computer and mathematical sciences	8,000	1	1,000	0	2,000	0	23,000	1	s	s
Biological, agricultural, and other life scientists	57,000	6	8,000	2	29,000	4	170,000	4	6,000	3
Agricultural and food scientists	2,000	0	s	s	s	s	10,000	0	s	s
Biological and medical scientists	46,000	5	6,000	1	19,000	3	119,000	3	5,000	3
Environmental life scientists	s	s	s	s	s	s	7,000	0	s	s
Postsecondary teachers—life and related sciences	9,000	1	1,000	0	4,000	1	34,000	1	s	s
Physical and related scientists	13,000	1	7,000	1	10,000	2	96,000	3	3,000	2
Chemists, except biochemists	4,000	1	4,000	1	4,000	1	29,000	1	s	s
Earth, atmospheric, and ocean scientists	2,000	0	s	s	1,000	0	21,000	1	s	s
Physicists	s	s	s	s	s	s	6,000	0	s	s
Other physical and related scientists, including astronomers	1,000	0	3,000	1	2,000	0	19,000	1	s	s
Postsecondary teachers—physical and related sciences	3,000	0	s	s	3,000	0	22,000	1	s	s
Social and related scientists	23,000	3	17,000	4	43,000	6	222,000	6	8,000	4
Economists	3,000	0	s	s	1,000	0	5,000	0	s	s
Political scientists	s	s	s	s	s	s	3,000	0	s	s
Psychologists	6,000	1	7,000	1	19,000	3	116,000	3	3,000	1
Anthropologists	s	s	s	s	1,000	0	7,000	0	s	s
Other social and related scientists	4,000	0	5,000	1	s	s	31,000	1	1,000	0
Postsecondary teachers—social and related sciences	10,000	1	3,000	1	s	s	60,000	2	3,000	2
Engineers	55,000	6	9,000	2	29,000	4	155,000	4	8,000	4
Aerospace, aeronautical, or astronautical engineers	3,000	0	s	s	2,000	0	12,000	0	s	s
Chemical engineers	3,000	0	s	s	1,000	0	10,000	0	s	s
Civil, architectural, or sanitary engineers	10,000	1	2,000	1	7,000	1	29,000	1	1,000	1
Electrical or computer hardware engineers	16,000	2	1,000	0	3,000	1	16,000	0	s	s
Industrial engineers	2,000	0	s	s	3,000	0	9,000	0	s	s
Mechanical engineers	6,000	1	s	s	3,000	0	17,000	0	s	s
Other engineers	11,000	1	3,000	1	11,000	2	56,000	2	3,000	2
Postsecondary teachers—engineering	5,000	1	s	s	s	s	6,000	0	s	s
S&E related occupations	125,000	14	59,000	12	79,000	12	531,000	14	23,000	12
Health-related occupations	58,000	6	31,000	6	33,000	5	307,000	8	13,000	7

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	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
S&E managers	19,000	2	9,000	2	16,000	3	61,000	2	s	s
S&E precollege teachers	7,000	1	9,000	2	16,000	2	86,000	2	2,000	1
S&E technicians and technologists	37,000	4	9,000	2	12,000	2	67,000	2	5,000	2
Other S&E-related occupations	3,000	0	s	s	s	s	10,000	0	s	s
Non-S&E occupations	384,000	42	370,000	73	444,000	66	2,397,000	62	126,000	67
Non-S&E managers	40,000	4	21,000	4	25,000	4	189,000	5	12,000	7
Management-related occupations	101,000	11	80,000	16	94,000	14	549,000	14	23,000	12
Non-S&E precollege teachers	41,000	5	39,000	8	43,000	6	203,000	5	7,000	4
Non-S&E postsecondary teachers	5,000	1	s	s	5,000	1	26,000	1	s	s
Social services and related occupations	10,000	1	54,000	11	64,000	10	284,000	7	13,000	7
Sales and marketing occupations	46,000	5	29,000	6	57,000	8	286,000	7	14,000	8
Art, humanities, and related occupations	11,000	1	3,000	1	6,000	1	73,000	2	3,000	2
Other non-S&E occupations	129,000	14	140,000	28	150,000	22	787,000	21	53,000	28
Male S&E highest degree holders	1,535,000	100	529,000	100	783,000	100	6,158,000	100	225,000	100
Computer and mathematical scientists	549,000	36	111,000	21	142,000	18	1,164,000	19	51,000	23
Computer and information scientists	514,000	34	99,000	19	128,000	16	1,075,000	18	49,000	22
Mathematical scientists	21,000	1	9,000	2	11,000	1	61,000	1	1,000	0
Postsecondary teachers—computer and mathematical sciences	14,000	1	2,000	1	3,000	0	29,000	1	s	s
Biological, agricultural, and other life scientists	71,000	5	7,000	1	28,000	4	197,000	3	6,000	3
Agricultural and food scientists	s	s	1,000	0	s	s	23,000	0	s	s
Biological and medical scientists	58,000	4	s	s	14,000	2	127,000	2	5,000	2
Environmental life scientists	s	s	s	s	s	s	16,000	0	s	s
Postsecondary teachers—life and related sciences	8,000	1	s	s	3,000	0	31,000	1	s	s
Physical and related scientists	38,000	3	10,000	2	16,000	2	175,000	3	4,000	2
Chemists, except biochemists	13,000	1	2,000	0	5,000	1	54,000	1	s	s
Earth, atmospheric, and ocean scientists	3,000	0	s	s	2,000	0	49,000	1	1,000	1
Physicists	8,000	1	s	s	2,000	0	23,000	0	s	s
Other physical and related scientists, including astronomers	3,000	0	s	s	s	s	21,000	0	s	s
Postsecondary teachers—physical and related sciences	11,000	1	s	s	3,000	0	27,000	0	s	s
Social and related scientists	9,000	1	9,000	2	14,000	2	129,000	2	3,000	1
Economists	3,000	0	s	s	4,000	1	27,000	0	s	s
Political scientists	s	s	s	s	s	s	5,000	0	s	s
Psychologists	1,000	0	2,000	0	2,000	0	32,000	1	s	s
Anthropologists	s	s	s	s	s	s	5,000	0	s	s

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	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Other social and related scientists	1,000	0	s	s	s	s	17,000	0	s	s
Postsecondary teachers—social and related sciences	4,000	0	6,000	1	5,000	1	42,000	1	1,000	0
Engineers	244,000	16	45,000	9	106,000	14	954,000	16	32,000	14
Aerospace, aeronautical, or astronautical engineers	12,000	1	s	s	9,000	1	67,000	1	3,000	1
Chemical engineers	10,000	1	s	s	3,000	0	43,000	1	s	s
Civil, architectural, or sanitary engineers	27,000	2	6,000	1	21,000	3	165,000	3	3,000	1
Electrical or computer hardware engineers	84,000	5	17,000	3	23,000	3	200,000	3	10,000	4
Industrial engineers	7,000	1	s	s	5,000	1	30,000	1	1,000	0
Mechanical engineers	49,000	3	6,000	1	22,000	3	215,000	4	5,000	2
Other engineers	42,000	3	9,000	2	21,000	3	211,000	3	8,000	4
Postsecondary teachers—engineering	13,000	1	1,000	0	2,000	0	23,000	0	s	s
S&E-related occupations	235,000	15	89,000	17	132,000	17	839,000	14	19,000	8
Health-related occupations	36,000	2	30,000	6	28,000	4	154,000	3	5,000	2
S&E managers	68,000	4	16,000	3	31,000	4	290,000	5	4,000	2
S&E precollege teachers	4,000	0	9,000	2	13,000	2	90,000	2	1,000	1
S&E technicians and technologists	115,000	8	35,000	7	60,000	8	287,000	5	9,000	4
Other S&E-related occupations	11,000	1	s	s	s	s	19,000	0	s	s
Non-S&E occupations	388,000	25	257,000	49	346,000	44	2,700,000	44	110,000	49
Non-S&E managers	114,000	7	35,000	7	67,000	9	685,000	11	17,000	8
Management-related occupations	105,000	7	55,000	10	70,000	9	609,000	10	33,000	15
Non-S&E precollege teachers	4,000	0	7,000	1	7,000	1	53,000	1	s	s
Non-S&E postsecondary teachers	2,000	0	4,000	1	2,000	0	30,000	1	s	s
Social services and related occupations	13,000	1	30,000	6	32,000	4	91,000	2	12,000	5
Sales and marketing occupations	58,000	4	27,000	5	49,000	6	409,000	7	22,000	10
Art, humanities, and related occupations	4,000	0	s	s	2,000	0	73,000	1	s	s
Other non-S&E occupations	88,000	6	95,000	18	116,000	15	751,000	12	24,000	11

s = suppressed for reasons of confidentiality and/or reliability.

Note(s):

Hispanic or Latino may be any race; race categories exclude Hispanic or Latino origin. Detail may not add to total because of rounding, and percentages may not add to 100% because of rounding.

Source(s):

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

Science and Engineering Indicators