

Table 1-4

Employed scientists and engineers, by ethnicity, race, occupation, highest degree level, and sex: 2021

(Number)

Ethnicity, race, and occupation	All degrees ^a		Bachelor's		Master's		Doctorate	
	Female	Male	Female	Male	Female	Male	Female	Male
All ethnicities and races	14,387,000	15,868,000	7,755,000	9,072,000	4,788,000	4,399,000	744,000	1,083,000
S&E occupations ^b	2,300,000	5,594,000	1,099,000	3,339,000	816,000	1,595,000	343,000	619,000
Science occupations	1,988,000	3,957,000	919,000	2,296,000	708,000	1,119,000	318,000	503,000
Biological, agricultural, and other life scientist	367,000	427,000	140,000	155,000	100,000	88,000	118,000	173,000
Computer and information scientist	906,000	2,757,000	568,000	1,875,000	309,000	778,000	23,000	89,000
Mathematical scientist	147,000	222,000	44,000	87,000	75,000	89,000	27,000	45,000
Physical scientist	135,000	273,000	62,000	116,000	43,000	61,000	30,000	95,000
Psychologist	205,000	75,000	36,000	5,000	84,000	26,000	66,000	36,000
Social scientist	228,000	204,000	69,000	59,000	97,000	76,000	54,000	65,000
Engineering occupations	312,000	1,636,000	179,000	1,043,000	108,000	476,000	25,000	116,000
S&E-related occupations ^c	5,494,000	4,028,000	3,044,000	1,988,000	1,580,000	998,000	197,000	177,000
Non-S&E occupations	6,593,000	6,246,000	3,612,000	3,745,000	2,392,000	1,806,000	204,000	287,000
Hispanic or Latino ^d	1,559,000	1,394,000	958,000	865,000	416,000	365,000	61,000	67,000
S&E occupations ^b	206,000	485,000	113,000	325,000	61,000	122,000	24,000	35,000
Science occupations	174,000	340,000	91,000	222,000	53,000	88,000	21,000	27,000
Biological, agricultural, and other life scientist	36,000	37,000	18,000	18,000	8,000	6,000	9,000	11,000
Computer and information scientist	66,000	239,000	48,000	177,000	18,000	60,000	S	2,000
Mathematical scientist	8,000	15,000	3,000	9,000	3,000	4,000	3,000	2,000
Physical scientist	11,000	21,000	5,000	12,000	5,000	5,000	2,000	4,000
Psychologist	20,000	7,000	1,000	D	12,000	3,000	4,000	3,000
Social scientist	32,000	21,000	17,000	6,000	8,000	10,000	2,000	6,000
Engineering occupations	33,000	145,000	22,000	103,000	8,000	34,000	3,000	8,000
S&E-related occupations ^c	537,000	307,000	342,000	156,000	107,000	75,000	14,000	9,000
Non-S&E occupations	816,000	602,000	503,000	385,000	249,000	167,000	23,000	23,000
Not Hispanic or Latino								
American Indian or Alaska Native	34,000	31,000	20,000	16,000	7,000	12,000	3,000	S
S&E occupations ^b	3,000	7,000	2,000	6,000	D	1,000	S	D
Science occupations	3,000	5,000	1,000	S	D	S	S	D
Biological, agricultural, and other life scientist	S	D	D	D	D	D	D	D
Computer and information scientist	D	S	D	S	D	D	D	D
Mathematical scientist	D	D	D	D	D	D	D	D
Physical scientist	D	1,000	D	*	D	D	D	D
Psychologist	D	D	D	D	D	D	D	D
Social scientist	D	D	D	D	D	D	D	D
Engineering occupations	D	2,000	D	2,000	D	*	D	D
S&E-related occupations ^c	17,000	5,000	S	1,000	S	2,000	D	D
Non-S&E occupations	14,000	20,000	7,000	9,000	5,000	8,000	D	S
Asian	1,823,000	2,418,000	929,000	1,106,000	619,000	860,000	146,000	280,000
S&E occupations ^b	511,000	1,154,000	200,000	483,000	225,000	481,000	81,000	178,000
Science occupations	444,000	904,000	172,000	387,000	197,000	366,000	71,000	138,000
Biological, agricultural, and other life scientist	79,000	88,000	23,000	11,000	19,000	15,000	34,000	55,000
Computer and information scientist	286,000	706,000	131,000	345,000	143,000	317,000	12,000	40,000
Mathematical scientist	29,000	43,000	6,000	S	16,000	16,000	7,000	17,000
Physical scientist	19,000	42,000	6,000	11,000	6,000	10,000	7,000	21,000
Psychologist	12,000	3,000	S	D	4,000	2,000	5,000	1,000

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(Number)

Ethnicity, race, and occupation	All degrees ^a		Bachelor's		Master's		Doctorate	
	Female	Male	Female	Male	Female	Male	Female	Male
Social scientist	20,000	21,000	5,000	S	9,000	6,000	6,000	5,000
Engineering occupations	66,000	250,000	29,000	96,000	28,000	114,000	9,000	39,000
S&E-related occupations ^c	656,000	608,000	373,000	273,000	159,000	155,000	33,000	50,000
Non-S&E occupations	656,000	655,000	356,000	350,000	235,000	225,000	32,000	52,000
Black or African American	1,263,000	978,000	635,000	549,000	509,000	291,000	45,000	50,000
S&E occupations ^b	144,000	255,000	79,000	159,000	51,000	79,000	12,000	17,000
Science occupations	134,000	200,000	73,000	122,000	48,000	62,000	12,000	15,000
Biological, agricultural, and other life scientist	19,000	12,000	12,000	4,000	4,000	4,000	4,000	5,000
Computer and information scientist	65,000	145,000	51,000	107,000	13,000	37,000	D	1,000
Mathematical scientist	S	13,000	3,000	4,000	S	S	*	1,000
Physical scientist	4,000	12,000	2,000	S	1,000	4,000	1,000	2,000
Psychologist	8,000	4,000	D	D	4,000	2,000	3,000	D
Social scientist	19,000	13,000	S	1,000	11,000	7,000	3,000	4,000
Engineering occupations	10,000	55,000	6,000	36,000	4,000	17,000	D	2,000
S&E-related occupations ^c	488,000	268,000	251,000	127,000	180,000	62,000	14,000	10,000
Non-S&E occupations	632,000	455,000	305,000	263,000	278,000	151,000	19,000	23,000
Native Hawaiian or Other Pacific Islander	40,000	34,000	25,000	26,000	12,000	7,000	D	D
S&E occupations ^b	5,000	11,000	3,000	8,000	2,000	4,000	D	D
Science occupations	4,000	6,000	S	4,000	S	S	D	D
Biological, agricultural, and other life scientist	D	D	D	D	D	D	D	D
Computer and information scientist	S	5,000	D	3,000	D	S	D	D
Mathematical scientist	D	D	D	D	D	D	D	D
Physical scientist	D	S	D	*	D	D	D	D
Psychologist	D	D	D	D	D	D	D	D
Social scientist	S	*	D	D	D	D	D	D
Engineering occupations	D	5,000	D	S	D	S	D	D
S&E-related occupations ^c	S	18,000	S	14,000	S	3,000	D	D
Non-S&E occupations	16,000	5,000	9,000	4,000	S	S	D	D
White	9,336,000	10,670,000	5,005,000	6,291,000	3,114,000	2,772,000	473,000	675,000
S&E occupations ^b	1,386,000	3,557,000	675,000	2,271,000	465,000	879,000	218,000	384,000
Science occupations	1,192,000	2,406,000	559,000	1,489,000	400,000	577,000	206,000	319,000
Biological, agricultural, and other life scientist	223,000	278,000	82,000	119,000	67,000	55,000	67,000	101,000
Computer and information scientist	475,000	1,585,000	327,000	1,179,000	133,000	350,000	9,000	45,000
Mathematical scientist	89,000	147,000	31,000	63,000	41,000	60,000	17,000	25,000
Physical scientist	98,000	191,000	47,000	82,000	30,000	41,000	20,000	67,000
Psychologist	157,000	60,000	30,000	4,000	63,000	19,000	51,000	30,000
Social scientist	151,000	146,000	41,000	43,000	66,000	52,000	42,000	50,000
Engineering occupations	194,000	1,151,000	117,000	782,000	65,000	302,000	12,000	66,000
S&E-related occupations ^c	3,649,000	2,763,000	1,986,000	1,386,000	1,086,000	689,000	131,000	106,000
Non-S&E occupations	4,302,000	4,350,000	2,344,000	2,634,000	1,563,000	1,204,000	123,000	185,000
More than one race	331,000	342,000	183,000	218,000	111,000	92,000	16,000	10,000
S&E occupations ^b	45,000	124,000	26,000	88,000	11,000	30,000	7,000	6,000
Science occupations	38,000	96,000	22,000	68,000	9,000	23,000	7,000	5,000
Biological, agricultural, and other life scientist	9,000	S	4,000	2,000	2,000	S	S	1,000

Table 1-4**Employed scientists and engineers, by ethnicity, race, occupation, highest degree level, and sex: 2021**

(Number)

Ethnicity, race, and occupation	All degrees ^a		Bachelor's		Master's		Doctorate	
	Female	Male	Female	Male	Female	Male	Female	Male
Computer and information scientist	12,000	73,000	9,000	61,000	2,000	12,000	D	S
Mathematical scientist	2,000	2,000	1,000	1,000	S	1,000	D	1,000
Physical scientist	3,000	6,000	S	4,000	S	1,000	D	1,000
Psychologist	S	2,000	D	D	2,000	D	2,000	1,000
Social scientist	5,000	2,000	S	S	2,000	1,000	S	D
Engineering occupations	8,000	28,000	5,000	20,000	3,000	7,000	D	S
S&E-related occupations ^c	129,000	60,000	68,000	30,000	43,000	13,000	2,000	S
Non-S&E occupations	157,000	158,000	88,000	100,000	56,000	49,000	6,000	2,000

* = suppressed when population estimate < 500. D = suppressed to avoid disclosure of confidential information. 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 S&E occupations include S&E postsecondary teachers.

^c S&E-related occupations include health-related occupations (e.g., diagnosing practitioners, registered nurses, and postsecondary teachers in health and related sciences), S&E managers, S&E precollege teachers, S&E technicians and technologists, and other S&E-related occupations.

^d Hispanic or Latino may be any race; race categories exclude Hispanic origin.

Note(s):

Numbers are rounded to nearest 1,000. Detail may not add to total because of rounding and suppression. 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, 2021.