

Table 1-6

## Employed scientists and engineers, by sector of employment, broad occupation, sex, ethnicity, race, and disability status: 2021

(Number)

Sector and occupation	Total	Sex		Hispanic or Latino <sup>a</sup>	Not Hispanic or Latino						Disability status	
		Female	Male		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 sectors	30,255,000	14,387,000	15,868,000	2,953,000	66,000	4,240,000	2,241,000	74,000	20,007,000	673,000	26,769,000	3,486,000
S&E occupations <sup>b</sup>	7,894,000	2,300,000	5,594,000	692,000	10,000	1,665,000	399,000	16,000	4,943,000	169,000	7,006,000	888,000
Science occupations	5,945,000	1,988,000	3,957,000	514,000	8,000	1,348,000	333,000	10,000	3,598,000	133,000	5,248,000	698,000
Biological, agricultural, and other life scientist	794,000	367,000	427,000	72,000	2,000	167,000	32,000	1,000	501,000	19,000	708,000	86,000
Computer and information scientist	3,663,000	906,000	2,757,000	305,000	4,000	992,000	210,000	6,000	2,060,000	85,000	3,236,000	427,000
Mathematical scientist	368,000	147,000	222,000	23,000	D	72,000	32,000	D	237,000	4,000	322,000	46,000
Physical scientist	408,000	135,000	273,000	32,000	1,000	61,000	16,000	S	288,000	9,000	358,000	50,000
Psychologist	280,000	205,000	75,000	27,000	*	15,000	12,000	D	216,000	9,000	242,000	38,000
Social scientist	432,000	228,000	204,000	54,000	D	42,000	32,000	S	296,000	7,000	381,000	51,000
Engineering occupations	1,949,000	312,000	1,636,000	178,000	2,000	316,000	65,000	7,000	1,345,000	36,000	1,758,000	191,000
S&E-related occupations <sup>c</sup>	9,522,000	5,494,000	4,028,000	843,000	22,000	1,264,000	756,000	36,000	6,412,000	189,000	8,534,000	987,000
Non-S&E occupations	12,840,000	6,593,000	6,246,000	1,418,000	33,000	1,312,000	1,087,000	22,000	8,652,000	315,000	11,230,000	1,610,000
Business or industry	16,656,000	6,488,000	10,168,000	1,541,000	32,000	2,765,000	1,015,000	30,000	10,910,000	362,000	14,713,000	1,943,000
S&E occupations <sup>b</sup>	5,219,000	1,221,000	3,998,000	411,000	7,000	1,236,000	246,000	10,000	3,199,000	110,000	4,660,000	559,000
Science occupations	3,690,000	993,000	2,696,000	278,000	5,000	994,000	199,000	6,000	2,125,000	83,000	3,278,000	412,000
Biological, agricultural, and other life scientist	269,000	124,000	145,000	24,000	D	63,000	11,000	D	167,000	3,000	242,000	27,000
Computer and information scientist	2,928,000	662,000	2,266,000	226,000	4,000	860,000	155,000	6,000	1,604,000	73,000	2,602,000	327,000
Mathematical scientist	200,000	78,000	122,000	10,000	D	43,000	S	D	128,000	1,000	174,000	26,000
Physical scientist	150,000	51,000	99,000	9,000	*	15,000	5,000	*	117,000	4,000	133,000	17,000
Psychologist	57,000	41,000	16,000	4,000	D	3,000	2,000	D	47,000	1,000	49,000	7,000
Social scientist	85,000	37,000	48,000	5,000	D	10,000	8,000	D	61,000	1,000	77,000	8,000
Engineering occupations	1,529,000	228,000	1,301,000	133,000	2,000	242,000	47,000	4,000	1,075,000	26,000	1,383,000	147,000

Table 1-6

## Employed scientists and engineers, by sector of employment, broad occupation, sex, ethnicity, race, and disability status: 2021

(Number)

Sector and occupation	Total	Sex		Hispanic or Latino <sup>a</sup>	Not Hispanic or Latino						Disability status	
		Female	Male		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
S&E-related occupations <sup>c</sup>	4,558,000	2,293,000	2,266,000	405,000	9,000	668,000	313,000	S	3,055,000	95,000	4,035,000	523,000
Non-S&E occupations	6,879,000	2,974,000	3,904,000	726,000	16,000	861,000	457,000	6,000	4,656,000	157,000	6,018,000	861,000
Federal government	1,408,000	594,000	814,000	154,000	2,000	148,000	180,000	5,000	879,000	41,000	1,220,000	188,000
S&E occupations <sup>b</sup>	449,000	150,000	299,000	41,000	D	49,000	46,000	S	302,000	9,000	383,000	66,000
Science occupations	317,000	125,000	192,000	24,000	D	35,000	37,000	D	214,000	5,000	267,000	50,000
Biological, agricultural, and other life scientist	64,000	32,000	32,000	4,000	D	11,000	S	D	47,000	1,000	60,000	4,000
Computer and information scientist	111,000	37,000	74,000	S	D	18,000	18,000	D	62,000	1,000	88,000	23,000
Mathematical scientist	38,000	S	24,000	3,000	D	2,000	S	D	26,000	1,000	29,000	S
Physical scientist	50,000	13,000	36,000	3,000	D	3,000	S	D	37,000	1,000	45,000	5,000
Psychologist	12,000	9,000	3,000	D	D	D	D	D	10,000	D	9,000	S
Social scientist	42,000	20,000	23,000	4,000	D	2,000	5,000	D	31,000	1,000	37,000	6,000
Engineering occupations	133,000	25,000	107,000	17,000	D	13,000	9,000	D	89,000	4,000	116,000	17,000
S&E-related occupations <sup>c</sup>	327,000	158,000	169,000	35,000	S	42,000	51,000	S	193,000	5,000	286,000	41,000
Non-S&E occupations	631,000	285,000	346,000	78,000	1,000	57,000	83,000	S	384,000	26,000	550,000	81,000
Nonprofit	3,571,000	2,360,000	1,211,000	358,000	5,000	382,000	352,000	21,000	2,368,000	84,000	3,247,000	323,000
S&E occupations <sup>b</sup>	368,000	153,000	214,000	29,000	S	53,000	21,000	D	256,000	8,000	335,000	33,000
Science occupations	337,000	148,000	190,000	27,000	D	46,000	20,000	D	237,000	7,000	306,000	31,000
Biological, agricultural, and other life scientist	59,000	28,000	31,000	4,000	D	10,000	S	D	38,000	S	56,000	3,000
Computer and information scientist	191,000	72,000	119,000	15,000	D	28,000	13,000	D	131,000	3,000	170,000	21,000
Mathematical scientist	18,000	8,000	10,000	1,000	D	3,000	D	D	13,000	D	17,000	1,000
Physical scientist	9,000	3,000	6,000	*	D	1,000	D	D	7,000	D	9,000	D
Psychologist	21,000	13,000	9,000	5,000	D	2,000	S	D	14,000	D	18,000	S

Table 1-6

## Employed scientists and engineers, by sector of employment, broad occupation, sex, ethnicity, race, and disability status: 2021

(Number)

Sector and occupation	Total	Sex		Hispanic or Latino <sup>a</sup>	Not Hispanic or Latino						Disability status	
		Female	Male		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
Social scientist	39,000	24,000	15,000	2,000	D	2,000	1,000	D	34,000	1,000	36,000	3,000
Engineering occupations	30,000	6,000	25,000	2,000	D	7,000	S	D	19,000	D	29,000	2,000
S&E-related occupations <sup>c</sup>	1,948,000	1,366,000	582,000	179,000	S	251,000	200,000	S	1,257,000	46,000	1,813,000	135,000
Non-S&E occupations	1,255,000	841,000	414,000	149,000	S	78,000	131,000	S	855,000	31,000	1,099,000	156,000
Self-employed	1,664,000	809,000	855,000	134,000	4,000	187,000	86,000	1,000	1,213,000	38,000	1,403,000	261,000
S&E occupations <sup>b</sup>	217,000	71,000	146,000	20,000	D	21,000	7,000	D	167,000	2,000	192,000	25,000
Science occupations	177,000	63,000	113,000	16,000	D	19,000	5,000	D	134,000	1,000	158,000	18,000
Biological, agricultural, and other life scientist	17,000	5,000	13,000	D	D	3,000	D	D	12,000	D	14,000	4,000
Computer and information scientist	91,000	22,000	69,000	8,000	D	14,000	D	D	65,000	D	83,000	8,000
Mathematical scientist	3,000	D	3,000	D	D	D	D	D	2,000	D	3,000	D
Physical scientist	10,000	1,000	9,000	D	D	D	D	D	10,000	D	10,000	D
Psychologist	49,000	33,000	16,000	6,000	D	2,000	1,000	D	40,000	D	44,000	6,000
Social scientist	S	2,000	S	S	D	D	D	D	S	D	S	*
Engineering occupations	41,000	8,000	33,000	4,000	D	2,000	S	D	33,000	D	34,000	7,000
S&E-related occupations <sup>c</sup>	396,000	238,000	158,000	39,000	D	64,000	17,000	D	266,000	10,000	326,000	71,000
Non-S&E occupations	1,050,000	500,000	550,000	75,000	4,000	102,000	62,000	1,000	781,000	27,000	885,000	165,000
State or local government	1,828,000	967,000	861,000	245,000	9,000	192,000	226,000	5,000	1,110,000	41,000	1,584,000	244,000
S&E occupations <sup>b</sup>	387,000	153,000	234,000	61,000	*	49,000	20,000	S	248,000	8,000	320,000	67,000
Science occupations	290,000	134,000	156,000	49,000	D	32,000	15,000	D	187,000	6,000	235,000	55,000
Biological, agricultural, and other life scientist	62,000	30,000	31,000	9,000	D	3,000	2,000	D	48,000	*	52,000	9,000
Computer and information scientist	112,000	40,000	72,000	14,000	D	23,000	8,000	D	65,000	3,000	91,000	21,000

Table 1-6

## Employed scientists and engineers, by sector of employment, broad occupation, sex, ethnicity, race, and disability status: 2021

(Number)

Sector and occupation	Total	Sex		Hispanic or Latino <sup>a</sup>	Not Hispanic or Latino						Disability status	
		Female	Male		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
Mathematical scientist	7,000	3,000	4,000	2,000	D	1,000	1,000	D	4,000	D	6,000	S
Physical scientist	49,000	22,000	27,000	4,000	D	3,000	1,000	D	39,000	2,000	37,000	12,000
Psychologist	8,000	7,000	S	3,000	D	S	D	D	4,000	D	6,000	S
Social scientist	52,000	31,000	21,000	18,000	D	2,000	3,000	D	28,000	S	43,000	S
Engineering occupations	97,000	19,000	78,000	12,000	D	18,000	4,000	D	60,000	1,000	85,000	12,000
S&E-related occupations <sup>c</sup>	409,000	223,000	185,000	56,000	3,000	66,000	47,000	D	229,000	5,000	360,000	49,000
Non-S&E occupations	1,032,000	591,000	442,000	128,000	6,000	77,000	159,000	2,000	633,000	28,000	905,000	128,000
Universities and 4-year colleges <sup>d</sup>	2,408,000	1,291,000	1,117,000	217,000	2,000	433,000	142,000	8,000	1,562,000	44,000	2,164,000	244,000
S&E occupations <sup>b</sup>	1,047,000	437,000	610,000	101,000	*	244,000	46,000	2,000	637,000	18,000	929,000	118,000
Science occupations	934,000	412,000	522,000	90,000	*	211,000	44,000	2,000	571,000	15,000	822,000	111,000
Biological, agricultural, and other life scientist	298,000	136,000	162,000	29,000	D	76,000	13,000	D	174,000	6,000	262,000	36,000
Computer and information scientist	168,000	45,000	123,000	14,000	D	44,000	8,000	D	99,000	2,000	146,000	22,000
Mathematical scientist	68,000	29,000	39,000	6,000	D	21,000	2,000	D	39,000	1,000	61,000	7,000
Physical scientist	130,000	38,000	92,000	15,000	D	39,000	4,000	D	70,000	2,000	118,000	13,000
Psychologist	75,000	55,000	20,000	3,000	D	6,000	4,000	D	59,000	3,000	64,000	11,000
Social scientist	195,000	108,000	87,000	24,000	D	26,000	12,000	S	129,000	3,000	172,000	23,000
Engineering occupations	114,000	25,000	88,000	10,000	D	33,000	3,000	D	65,000	2,000	107,000	7,000
S&E-related occupations <sup>c</sup>	724,000	466,000	258,000	45,000	D	123,000	36,000	S	503,000	13,000	671,000	53,000
Non-S&E occupations	637,000	388,000	249,000	72,000	1,000	66,000	60,000	S	422,000	13,000	564,000	73,000
Other educational institutions	2,721,000	1,879,000	842,000	305,000	S	133,000	241,000	3,000	1,965,000	64,000	2,438,000	283,000
S&E occupations <sup>b</sup>	206,000	114,000	92,000	29,000	S	13,000	14,000	D	134,000	S	186,000	20,000
Science occupations	201,000	113,000	89,000	29,000	D	12,000	14,000	D	131,000	S	181,000	20,000

**Table 1-6****Employed scientists and engineers, by sector of employment, broad occupation, sex, ethnicity, race, and disability status: 2021**

(Number)

Sector and occupation	Total	Sex		Hispanic or Latino <sup>a</sup>	Not Hispanic or Latino					Disability status		
		Female	Male		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
Biological, agricultural, and other life scientist	25,000	12,000	14,000	1,000	D	S	D	D	16,000	D	23,000	2,000
Computer and information scientist	61,000	27,000	34,000	17,000	D	4,000	4,000	D	33,000	D	55,000	6,000
Mathematical scientist	34,000	14,000	20,000	1,000	D	3,000	S	D	25,000	D	31,000	2,000
Physical scientist	10,000	S	4,000	S	D	1,000	D	D	7,000	D	8,000	2,000
Psychologist	58,000	47,000	11,000	6,000	D	2,000	3,000	D	42,000	S	53,000	5,000
Social scientist	13,000	6,000	7,000	2,000	D	S	S	D	8,000	D	12,000	S
Engineering occupations	5,000	1,000	4,000	D	D	1,000	D	D	3,000	D	5,000	D
S&E-related occupations <sup>c</sup>	1,159,000	750,000	408,000	85,000	S	49,000	92,000	1,000	910,000	15,000	1,043,000	116,000
Non-S&E occupations	1,356,000	1,015,000	341,000	191,000	3,000	71,000	135,000	2,000	921,000	33,000	1,209,000	147,000

\* = 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.

<sup>a</sup> Hispanic or Latino may be any race; race categories exclude Hispanic origin.

<sup>b</sup> S&E occupations include S&E postsecondary teachers.

<sup>c</sup> 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.

<sup>d</sup> Includes medical schools and university-affiliated research institutes.

**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, 2021.