

Table 1-2

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

(Number)

Occupation	All degrees ^a			Bachelor's			Master's			Doctorate		
	Both sexes	Female	Male	Both sexes	Female	Male	Both sexes	Female	Male	Both sexes	Female	Male
All occupations	30,255,000	14,387,000	15,868,000	16,827,000	7,755,000	9,072,000	9,187,000	4,788,000	4,399,000	1,827,000	744,000	1,083,000
S&E occupations	7,894,000	2,300,000	5,594,000	4,438,000	1,099,000	3,339,000	2,411,000	816,000	1,595,000	962,000	343,000	619,000
Science occupations	5,945,000	1,988,000	3,957,000	3,216,000	919,000	2,296,000	1,827,000	708,000	1,119,000	822,000	318,000	503,000
Biological, agricultural, and other life scientist	794,000	367,000	427,000	295,000	140,000	155,000	188,000	100,000	88,000	291,000	118,000	173,000
Agricultural or food scientist	74,000	33,000	41,000	34,000	18,000	16,000	23,000	10,000	13,000	17,000	5,000	12,000
Biological and medical scientist	572,000	277,000	294,000	216,000	109,000	107,000	133,000	77,000	56,000	206,000	85,000	121,000
Environmental life scientist	45,000	12,000	33,000	26,000	6,000	21,000	16,000	5,000	S	S	S	S
Postsecondary teacher	103,000	45,000	58,000	18,000	7,000	11,000	16,000	8,000	8,000	65,000	28,000	38,000
Computer and information scientist	3,663,000	906,000	2,757,000	2,443,000	568,000	1,875,000	1,088,000	309,000	778,000	112,000	23,000	89,000
Computer and information scientist	3,627,000	896,000	2,732,000	2,438,000	566,000	1,872,000	1,072,000	304,000	769,000	96,000	20,000	76,000
Postsecondary teacher	36,000	10,000	25,000	4,000	S	3,000	15,000	6,000	10,000	16,000	3,000	13,000
Mathematical scientist	368,000	147,000	222,000	131,000	44,000	87,000	164,000	75,000	89,000	72,000	27,000	45,000
Mathematical scientist	293,000	112,000	181,000	124,000	41,000	83,000	133,000	59,000	74,000	35,000	11,000	24,000
Postsecondary teacher	75,000	35,000	41,000	7,000	3,000	4,000	31,000	16,000	15,000	37,000	16,000	21,000
Physical scientist	408,000	135,000	273,000	177,000	62,000	116,000	105,000	43,000	61,000	125,000	30,000	95,000
Chemist, except biochemist	114,000	40,000	74,000	65,000	23,000	42,000	19,000	8,000	10,000	30,000	9,000	22,000
Earth, atmospheric, and ocean scientist	91,000	22,000	69,000	40,000	12,000	29,000	32,000	6,000	26,000	17,000	4,000	14,000
Physicist	41,000	6,000	35,000	11,000	2,000	9,000	10,000	1,000	9,000	20,000	3,000	17,000
Other physical and related scientist, including astronomer	82,000	39,000	44,000	47,000	20,000	28,000	25,000	17,000	8,000	10,000	2,000	8,000
Postsecondary teacher	80,000	29,000	50,000	14,000	S	8,000	19,000	11,000	8,000	47,000	13,000	34,000
Psychologist	280,000	205,000	75,000	41,000	36,000	5,000	110,000	84,000	26,000	102,000	66,000	36,000
Psychologist	233,000	172,000	61,000	38,000	34,000	4,000	96,000	72,000	23,000	75,000	47,000	27,000
Postsecondary teacher	47,000	33,000	14,000	3,000	3,000	D	14,000	12,000	3,000	27,000	18,000	9,000
Social scientist	432,000	228,000	204,000	129,000	69,000	59,000	173,000	97,000	76,000	119,000	54,000	65,000
Economist	47,000	17,000	30,000	9,000	2,000	7,000	23,000	11,000	12,000	15,000	4,000	11,000
Political scientist	39,000	23,000	15,000	10,000	S	4,000	21,000	11,000	10,000	2,000	S	1,000
Anthropologist	13,000	4,000	9,000	3,000	1,000	2,000	7,000	2,000	5,000	3,000	1,000	2,000
Other social scientist, including sociologist	191,000	116,000	75,000	91,000	58,000	33,000	81,000	46,000	35,000	17,000	10,000	7,000
Postsecondary teacher	141,000	68,000	74,000	15,000	2,000	12,000	41,000	26,000	14,000	83,000	38,000	45,000
Engineering occupations	1,949,000	312,000	1,636,000	1,222,000	179,000	1,043,000	584,000	108,000	476,000	141,000	25,000	116,000
Aerospace, aeronautical, or astronautical engineer	127,000	18,000	109,000	66,000	11,000	55,000	53,000	6,000	46,000	9,000	D	8,000
Chemical engineer	80,000	19,000	61,000	53,000	11,000	42,000	18,000	7,000	11,000	8,000	1,000	7,000
Civil, architectural, or sanitary engineer	303,000	57,000	246,000	194,000	32,000	162,000	98,000	22,000	76,000	10,000	2,000	8,000
Electrical or computer hardware engineer	399,000	44,000	355,000	242,000	21,000	221,000	124,000	17,000	108,000	32,000	6,000	26,000

Table 1-2**Employed scientists and engineers, by occupation, highest degree level, and sex: 2021**

(Number)

Occupation	All degrees ^a			Bachelor's			Master's			Doctorate		
	Both sexes	Female	Male	Both sexes	Female	Male	Both sexes	Female	Male	Both sexes	Female	Male
Industrial engineer	96,000	17,000	79,000	62,000	9,000	53,000	33,000	7,000	25,000	1,000	D	1,000
Mechanical engineer	388,000	34,000	353,000	274,000	24,000	250,000	99,000	9,000	90,000	14,000	1,000	13,000
Other engineer	501,000	114,000	387,000	323,000	69,000	254,000	146,000	36,000	109,000	32,000	8,000	24,000
Postsecondary teacher	55,000	9,000	45,000	7,000	S	7,000	13,000	3,000	10,000	34,000	6,000	28,000
S&E-related occupations	9,522,000	5,494,000	4,028,000	5,031,000	3,044,000	1,988,000	2,578,000	1,580,000	998,000	374,000	197,000	177,000
Health-related occupation	6,136,000	4,258,000	1,878,000	3,160,000	2,457,000	703,000	1,313,000	1,027,000	286,000	237,000	142,000	96,000
S&E manager, including health	1,135,000	398,000	737,000	553,000	181,000	372,000	417,000	152,000	265,000	63,000	26,000	37,000
S&E pre-college teacher	915,000	535,000	381,000	377,000	220,000	157,000	504,000	296,000	208,000	25,000	16,000	9,000
S&E technician/ technologist	1,088,000	213,000	875,000	784,000	134,000	650,000	257,000	66,000	190,000	46,000	12,000	34,000
Other S&E-related occupation	248,000	90,000	157,000	157,000	52,000	106,000	88,000	38,000	50,000	2,000	D	1,000
Non-S&E occupations	12,840,000	6,593,000	6,246,000	7,358,000	3,612,000	3,745,000	4,198,000	2,392,000	1,806,000	491,000	204,000	287,000
Arts, humanities, and related occupation	317,000	196,000	121,000	171,000	84,000	87,000	118,000	91,000	27,000	19,000	S	3,000
Management-related occupation	3,082,000	1,539,000	1,543,000	1,819,000	914,000	905,000	1,102,000	550,000	551,000	92,000	31,000	61,000
Non-S&E manager	2,217,000	739,000	1,478,000	1,122,000	310,000	811,000	860,000	340,000	520,000	164,000	53,000	111,000
Non-S&E postsecondary teacher	185,000	96,000	89,000	24,000	10,000	14,000	55,000	29,000	26,000	94,000	51,000	43,000
Non-S&E precollege teacher	862,000	694,000	169,000	353,000	292,000	61,000	485,000	387,000	98,000	12,000	6,000	6,000
Sales and marketing occupation	1,312,000	601,000	711,000	976,000	431,000	546,000	296,000	150,000	146,000	17,000	7,000	9,000
Social service and related occupation	1,092,000	774,000	318,000	400,000	272,000	127,000	651,000	485,000	167,000	22,000	9,000	13,000
Other non-S&E occupation	3,773,000	1,955,000	1,819,000	2,492,000	1,299,000	1,193,000	631,000	360,000	272,000	71,000	29,000	42,000

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.**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.