

TABLE 1-2

Employed college graduates, by level of highest degree, minor field of highest degree, and major occupation: 2023

(Number)

Level and field of highest degree	Total	S&E occupations						S&E-related occupations	Non-S&E occupations
		Total	Biological, agricultural, and other life scientists	Computer and mathematical scientists	Physical and related scientists	Social and related scientists	Engineers		
All degrees	56,061,000	8,711,000	813,000	4,573,000	430,000	631,000	2,263,000	11,253,000	36,097,000
S&E fields	17,566,000	6,518,000	633,000	3,144,000	400,000	395,000	1,946,000	2,955,000	8,093,000
Biological, agricultural, and environmental life sciences	2,721,000	755,000	516,000	95,000	90,000	16,000	38,000	760,000	1,206,000
Agricultural and food sciences	370,000	53,000	42,000	3,000	5,000	*	2,000	59,000	259,000
Biological sciences	2,012,000	625,000	450,000	78,000	59,000	11,000	26,000	651,000	736,000
Environmental life sciences	338,000	77,000	24,000	14,000	26,000	S	9,000	50,000	211,000
Computer and mathematical sciences	3,563,000	2,110,000	10,000	1,989,000	6,000	11,000	95,000	524,000	928,000
Computer and information sciences	2,781,000	1,811,000	7,000	1,722,000	3,000	3,000	76,000	407,000	562,000
Mathematics and statistics	782,000	299,000	3,000	266,000	S	7,000	19,000	117,000	366,000
Physical and related sciences	953,000	476,000	56,000	89,000	267,000	2,000	62,000	166,000	311,000
Chemistry, except biochemistry	370,000	182,000	35,000	18,000	112,000	S	16,000	73,000	115,000
Earth, atmospheric, and ocean sciences	301,000	142,000	S	19,000	91,000	D	15,000	42,000	116,000
Physics and astronomy	257,000	147,000	3,000	51,000	62,000	S	30,000	43,000	67,000
Other physical sciences	26,000	5,000	D	D	2,000	D	2,000	8,000	13,000
Social and related sciences	6,059,000	738,000	18,000	323,000	11,000	363,000	23,000	688,000	4,634,000
Economics	971,000	154,000	1,000	98,000	*	46,000	8,000	48,000	769,000
Political and related sciences	1,032,000	133,000	D	52,000	2,000	70,000	6,000	59,000	841,000
Psychology	2,511,000	246,000	7,000	80,000	S	154,000	3,000	424,000	1,841,000
Sociology and anthropology	948,000	116,000	3,000	48,000	S	63,000	S	81,000	751,000
Other social sciences	597,000	89,000	S	45,000	6,000	30,000	4,000	76,000	433,000
Engineering	4,270,000	2,438,000	34,000	648,000	26,000	3,000	1,728,000	818,000	1,014,000
Aerospace, aeronautical, and astronautical engineering	175,000	123,000	D	15,000	D	D	108,000	26,000	26,000
Chemical engineering	275,000	147,000	8,000	13,000	6,000	D	119,000	51,000	78,000
Civil and architectural engineering	553,000	302,000	D	15,000	2,000	D	284,000	91,000	161,000
Electrical and computer engineering	1,458,000	896,000	D	468,000	2,000	D	425,000	330,000	232,000
Industrial engineering	275,000	104,000	D	35,000	D	D	68,000	61,000	110,000
Mechanical engineering	916,000	553,000	S	52,000	2,000	D	494,000	139,000	224,000
Other engineering	617,000	314,000	20,000	50,000	13,000	D	230,000	120,000	183,000
S&E-related fields	8,556,000	534,000	112,000	251,000	13,000	51,000	106,000	6,204,000	1,818,000
Health	6,858,000	234,000	105,000	75,000	9,000	31,000	14,000	5,564,000	1,061,000
Science and mathematics teacher education	546,000	33,000	S	23,000	S	3,000	2,000	233,000	280,000
Technology and technical fields	563,000	216,000	S	139,000	1,000	D	74,000	126,000	220,000
Other S&E-related fields	589,000	52,000	S	15,000	D	17,000	16,000	281,000	257,000
Non-S&E fields	29,939,000	1,660,000	67,000	1,178,000	18,000	185,000	212,000	2,093,000	26,186,000
Management and administration fields	10,153,000	740,000	22,000	547,000	4,000	30,000	137,000	753,000	8,660,000

TABLE 1-2

Employed college graduates, by level of highest degree, minor field of highest degree, and major occupation: 2023

(Number)

Level and field of highest degree	Total	S&E occupations						S&E-related occupations	Non-S&E occupations
		Total	Biological, agricultural, and other life scientists	Computer and mathematical scientists	Physical and related scientists	Social and related scientists	Engineers		
Education, except science and math teacher education	5,245,000	77,000	4,000	40,000	2,000	20,000	10,000	402,000	4,766,000
Social service and related fields	1,526,000	81,000	S	48,000	D	27,000	4,000	84,000	1,360,000
Sales and marketing fields	1,448,000	81,000	D	63,000	D	S	9,000	91,000	1,276,000
Art and humanities fields	4,937,000	293,000	S	252,000	S	17,000	16,000	379,000	4,266,000
Other non-S&E fields	6,630,000	388,000	31,000	228,000	9,000	84,000	36,000	383,000	5,858,000
Bachelor's	34,400,000	5,069,000	315,000	2,999,000	186,000	168,000	1,402,000	5,881,000	23,449,000
S&E fields	12,216,000	3,881,000	274,000	2,080,000	176,000	103,000	1,247,000	1,975,000	6,360,000
Biological, agricultural, and environmental life sciences	1,912,000	367,000	222,000	55,000	62,000	9,000	19,000	562,000	982,000
Agricultural and food sciences	300,000	24,000	21,000	2,000	S	D	D	45,000	230,000
Biological sciences	1,368,000	300,000	188,000	44,000	48,000	6,000	14,000	482,000	586,000
Environmental life sciences	244,000	42,000	13,000	9,000	13,000	D	5,000	35,000	166,000
Computer and mathematical sciences	2,437,000	1,357,000	D	1,284,000	S	S	64,000	351,000	728,000
Computer and information sciences	1,904,000	1,202,000	D	1,149,000	*	D	52,000	269,000	432,000
Mathematics and statistics	533,000	155,000	D	135,000	D	S	13,000	82,000	295,000
Physical and related sciences	543,000	210,000	31,000	47,000	100,000	S	31,000	99,000	234,000
Chemistry, except biochemistry	210,000	87,000	18,000	12,000	50,000	D	8,000	46,000	76,000
Earth, atmospheric, and ocean sciences	197,000	69,000	S	10,000	38,000	D	8,000	29,000	99,000
Physics and astronomy	123,000	53,000	1,000	24,000	12,000	D	14,000	19,000	51,000
Other physical sciences	15,000	2,000	D	D	D	D	D	S	9,000
Social and related sciences	4,417,000	367,000	8,000	253,000	5,000	84,000	17,000	422,000	3,628,000
Economics	822,000	95,000	S	74,000	D	14,000	6,000	44,000	684,000
Political and related sciences	741,000	59,000	D	38,000	S	15,000	3,000	45,000	637,000
Psychology	1,629,000	104,000	3,000	65,000	S	31,000	2,000	204,000	1,321,000
Sociology and anthropology	813,000	63,000	D	41,000	D	18,000	S	72,000	678,000
Other social sciences	411,000	46,000	D	35,000	1,000	6,000	4,000	58,000	307,000
Engineering	2,908,000	1,579,000	13,000	441,000	8,000	D	1,116,000	540,000	788,000
Aerospace, aeronautical, and astronautical engineering	115,000	83,000	D	12,000	D	D	71,000	16,000	16,000
Chemical engineering	210,000	110,000	5,000	11,000	3,000	D	91,000	35,000	65,000
Civil and architectural engineering	393,000	197,000	D	12,000	D	D	184,000	65,000	131,000
Electrical and computer engineering	955,000	575,000	D	322,000	D	D	252,000	216,000	164,000
Industrial engineering	193,000	62,000	D	18,000	D	D	44,000	46,000	85,000
Mechanical engineering	700,000	412,000	D	40,000	D	D	370,000	97,000	191,000
Other engineering	341,000	139,000	S	27,000	3,000	D	103,000	66,000	136,000
S&E-related fields	4,045,000	250,000	13,000	145,000	S	15,000	73,000	2,724,000	1,071,000
Health	2,986,000	69,000	12,000	37,000	S	S	7,000	2,346,000	570,000

TABLE 1-2

Employed college graduates, by level of highest degree, minor field of highest degree, and major occupation: 2023

(Number)

Level and field of highest degree	Total	S&E occupations						S&E-related occupations	Non-S&E occupations
		Total	Biological, agricultural, and other life scientists	Computer and mathematical scientists	Physical and related scientists	Social and related scientists	Engineers		
Science and mathematics teacher education	253,000	9,000	D	S	D	D	D	S	139,000
Technology and technical fields	437,000	150,000	D	91,000	D	D	58,000	93,000	194,000
Other S&E-related fields	369,000	22,000	D	9,000	D	5,000	7,000	179,000	169,000
Non-S&E fields	18,138,000	939,000	28,000	774,000	5,000	50,000	82,000	1,182,000	16,018,000
Management and administration fields	6,607,000	349,000	9,000	294,000	*	11,000	34,000	391,000	5,868,000
Education, except science and math teacher education	2,013,000	24,000	D	16,000	D	D	S	107,000	1,881,000
Social service and related fields	544,000	45,000	D	36,000	D	D	D	20,000	478,000
Sales and marketing fields	1,185,000	61,000	D	51,000	D	D	S	83,000	1,040,000
Art and humanities fields	4,018,000	247,000	S	221,000	S	8,000	12,000	320,000	3,451,000
Other non-S&E fields	3,772,000	212,000	14,000	156,000	2,000	19,000	21,000	260,000	3,300,000
Master's	15,780,000	2,599,000	211,000	1,347,000	119,000	242,000	680,000	3,096,000	10,085,000
S&E fields	3,939,000	1,775,000	130,000	877,000	103,000	141,000	525,000	701,000	1,463,000
Biological, agricultural, and environmental life sciences	417,000	153,000	94,000	25,000	20,000	3,000	11,000	113,000	152,000
Agricultural and food sciences	45,000	16,000	10,000	D	3,000	D	1,000	6,000	22,000
Biological sciences	288,000	109,000	75,000	20,000	5,000	2,000	7,000	92,000	87,000
Environmental life sciences	84,000	28,000	9,000	4,000	11,000	S	3,000	14,000	43,000
Computer and mathematical sciences	985,000	642,000	7,000	604,000	S	3,000	25,000	161,000	182,000
Computer and information sciences	794,000	546,000	S	517,000	S	2,000	20,000	130,000	119,000
Mathematics and statistics	191,000	96,000	2,000	87,000	S	1,000	5,000	32,000	63,000
Physical and related sciences	196,000	115,000	10,000	23,000	67,000	D	15,000	39,000	41,000
Chemistry, except biochemistry	65,000	34,000	5,000	S	20,000	D	6,000	13,000	18,000
Earth, atmospheric, and ocean sciences	69,000	44,000	S	6,000	29,000	D	5,000	11,000	13,000
Physics and astronomy	55,000	36,000	1,000	14,000	18,000	D	4,000	13,000	6,000
Other physical sciences	7,000	1,000	D	D	D	D	D	S	4,000
Social and related sciences	1,272,000	206,000	6,000	57,000	4,000	134,000	5,000	166,000	901,000
Economics	115,000	37,000	D	21,000	D	14,000	S	4,000	74,000
Political and related sciences	262,000	54,000	D	13,000	S	38,000	S	12,000	196,000
Psychology	656,000	65,000	D	10,000	D	53,000	D	126,000	465,000
Sociology and anthropology	96,000	24,000	*	4,000	D	20,000	D	9,000	63,000
Other social sciences	143,000	25,000	S	9,000	3,000	9,000	1,000	15,000	102,000
Engineering	1,068,000	659,000	13,000	168,000	9,000	D	469,000	223,000	187,000
Aerospace, aeronautical, and astronautical engineering	48,000	31,000	D	2,000	D	D	29,000	9,000	8,000
Chemical engineering	34,000	20,000	1,000	2,000	1,000	D	17,000	7,000	7,000
Civil and architectural engineering	134,000	83,000	D	2,000	D	D	80,000	24,000	27,000
Electrical and computer engineering	412,000	260,000	D	122,000	S	D	137,000	96,000	56,000

TABLE 1-2

Employed college graduates, by level of highest degree, minor field of highest degree, and major occupation: 2023

(Number)

Level and field of highest degree	Total	S&E occupations						S&E-related occupations	Non-S&E occupations
		Total	Biological, agricultural, and other life scientists	Computer and mathematical scientists	Physical and related scientists	Social and related scientists	Engineers		
Industrial engineering	68,000	34,000	D	12,000	D	D	21,000	12,000	23,000
Mechanical engineering	174,000	110,000	D	10,000	D	D	96,000	36,000	28,000
Other engineering	200,000	122,000	9,000	17,000	5,000	D	90,000	39,000	39,000
S&E-related fields	2,375,000	208,000	50,000	98,000	6,000	26,000	29,000	1,565,000	601,000
Health	1,766,000	103,000	46,000	33,000	4,000	13,000	6,000	1,305,000	358,000
Science and mathematics teacher education	279,000	20,000	S	13,000	S	D	1,000	127,000	132,000
Technology and technical fields	117,000	61,000	D	46,000	D	D	13,000	31,000	25,000
Other S&E-related fields	213,000	25,000	D	S	D	11,000	9,000	102,000	86,000
Non-S&E fields	9,466,000	616,000	32,000	372,000	11,000	75,000	126,000	830,000	8,021,000
Management and administration fields	3,479,000	387,000	14,000	252,000	4,000	18,000	100,000	357,000	2,735,000
Education, except science and math teacher education	2,965,000	39,000	S	21,000	1,000	10,000	S	271,000	2,654,000
Social service and related fields	889,000	23,000	D	9,000	D	12,000	1,000	62,000	805,000
Sales and marketing fields	257,000	20,000	D	13,000	D	S	3,000	8,000	229,000
Art and humanities fields	735,000	38,000	D	26,000	S	7,000	3,000	49,000	648,000
Other non-S&E fields	1,141,000	108,000	11,000	51,000	5,000	26,000	14,000	83,000	950,000
Doctorate	2,420,000	973,000	264,000	207,000	123,000	198,000	181,000	562,000	885,000
S&E fields	1,349,000	849,000	229,000	187,000	120,000	139,000	174,000	250,000	249,000
Biological, agricultural, and environmental life sciences	392,000	235,000	200,000	15,000	9,000	3,000	8,000	85,000	72,000
Agricultural and food sciences	26,000	12,000	11,000	D	S	D	D	S	6,000
Biological sciences	356,000	215,000	187,000	14,000	6,000	S	S	77,000	64,000
Environmental life sciences	10,000	7,000	S	D	S	*	S	S	S
Computer and mathematical sciences	141,000	111,000	S	101,000	S	1,000	6,000	12,000	18,000
Computer and information sciences	83,000	64,000	S	56,000	S	S	4,000	9,000	11,000
Mathematics and statistics	58,000	47,000	D	45,000	D	D	2,000	3,000	8,000
Physical and related sciences	214,000	151,000	15,000	19,000	100,000	D	17,000	27,000	35,000
Chemistry, except biochemistry	95,000	61,000	12,000	4,000	42,000	D	3,000	13,000	22,000
Earth, atmospheric, and ocean sciences	35,000	29,000	S	S	24,000	D	S	2,000	4,000
Physics and astronomy	79,000	59,000	2,000	13,000	33,000	D	11,000	11,000	9,000
Other physical sciences	4,000	2,000	D	D	1,000	D	D	D	D
Social and related sciences	309,000	153,000	4,000	13,000	S	133,000	D	72,000	85,000
Economics	34,000	23,000	D	3,000	D	19,000	D	*	10,000
Political and related sciences	29,000	19,000	D	1,000	D	17,000	D	2,000	7,000
Psychology	164,000	64,000	S	4,000	D	58,000	D	66,000	34,000
Sociology and anthropology	39,000	29,000	D	S	D	26,000	D	1,000	10,000
Other social sciences	43,000	17,000	D	2,000	S	14,000	D	S	23,000

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Employed college graduates, by level of highest degree, minor field of highest degree, and major occupation: 2023

(Number)

Level and field of highest degree	Total	S&E occupations					S&E-related occupations	Non-S&E occupations	
		Total	Biological, agricultural, and other life scientists	Computer and mathematical scientists	Physical and related scientists	Social and related scientists			Engineers
Engineering	293,000	200,000	8,000	39,000	9,000	S	142,000	55,000	39,000
Aerospace, aeronautical, and astronautical engineering	12,000	9,000	D	S	D	D	8,000	2,000	1,000
Chemical engineering	31,000	17,000	2,000	1,000	S	D	12,000	9,000	6,000
Civil and architectural engineering	27,000	22,000	D	S	D	D	20,000	2,000	3,000
Electrical and computer engineering	91,000	60,000	D	23,000	1,000	D	36,000	19,000	13,000
Industrial engineering	14,000	8,000	D	S	D	D	2,000	S	2,000
Mechanical engineering	43,000	32,000	S	2,000	*	D	28,000	6,000	6,000
Other engineering	76,000	53,000	5,000	6,000	5,000	D	37,000	15,000	8,000
S&E-related fields	372,000	54,000	29,000	8,000	3,000	11,000	S	264,000	54,000
Health	342,000	40,000	26,000	4,000	3,000	7,000	D	261,000	41,000
Science and mathematics teacher education	14,000	4,000	D	2,000	D	S	D	*	9,000
Technology and technical fields	9,000	5,000	D	S	D	D	S	S	S
Other S&E-related fields	7,000	4,000	D	D	D	S	D	D	2,000
Non-S&E fields	700,000	70,000	6,000	13,000	D	48,000	4,000	48,000	582,000
Management and administration fields	67,000	4,000	D	1,000	D	1,000	S	S	57,000
Education, except science and math teacher education	267,000	13,000	D	3,000	D	8,000	D	23,000	231,000
Social service and related fields	93,000	13,000	D	D	D	10,000	D	S	78,000
Sales and marketing fields	7,000	D	D	D	D	D	D	D	7,000
Art and humanities fields	184,000	8,000	D	4,000	D	S	D	S	167,000
Other non-S&E fields	82,000	32,000	4,000	S	D	27,000	D	S	43,000
Professional	3,461,000	70,000	23,000	21,000	S	24,000	D	1,714,000	1,677,000
S&E fields	62,000	13,000	D	D	D	12,000	D	28,000	20,000
S&E-related fields	1,765,000	22,000	21,000	D	D	D	D	1,652,000	91,000
Non-S&E fields	1,634,000	35,000	D	19,000	S	S	D	33,000	1,566,000

* = 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.

Note(s):
Numbers are rounded to the nearest 1,000. Detail may not add to total because of rounding.

Source(s):
National Center for Science and Engineering Statistics, National Survey of College Graduates, 2023.