

TABLE 1-2

Employed college graduates, by level of highest degree, minor field of highest degree, and major occupation: 2017

(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	48,223,000	6,769,000	610,000	3,419,000	366,000	646,000	1,728,000	8,271,000	33,183,000
S&E fields	14,501,000	5,085,000	506,000	2,365,000	330,000	416,000	1,468,000	1,997,000	7,418,000
Biological, agricultural, and environmental life sciences	2,290,000	633,000	416,000	95,000	81,000	11,000	30,000	635,000	1,022,000
Agricultural and food sciences	286,000	57,000	45,000	4,000	4,000	D	6,000	36,000	192,000
Biological sciences	1,763,000	522,000	350,000	82,000	66,000	7,000	18,000	556,000	684,000
Environmental life sciences	241,000	53,000	21,000	10,000	12,000	S	7,000	42,000	146,000
Computer and mathematical sciences	2,567,000	1,437,000	4,000	1,373,000	2,000	8,000	51,000	307,000	823,000
Computer and information sciences	2,017,000	1,257,000	2,000	1,212,000	S	4,000	39,000	205,000	554,000
Mathematics and statistics	550,000	180,000	2,000	161,000	1,000	4,000	12,000	102,000	269,000
Physical and related sciences	814,000	366,000	38,000	62,000	217,000	2,000	47,000	159,000	289,000
Chemistry, except biochemistry	349,000	156,000	26,000	18,000	95,000	S	16,000	84,000	108,000
Earth, atmospheric, and ocean sciences	234,000	93,000	4,000	12,000	69,000	D	9,000	33,000	108,000
Physics and astronomy	202,000	109,000	6,000	30,000	52,000	S	20,000	31,000	62,000
Other physical sciences	29,000	8,000	2,000	D	1,000	D	3,000	10,000	10,000
Social and related sciences	5,336,000	679,000	18,000	234,000	8,000	391,000	28,000	366,000	4,291,000
Economics	870,000	115,000	3,000	50,000	S	55,000	5,000	35,000	721,000
Political and related sciences	994,000	107,000	S	50,000	D	46,000	8,000	51,000	836,000
Psychology	2,034,000	306,000	7,000	69,000	S	223,000	6,000	144,000	1,584,000
Sociology and anthropology	838,000	95,000	2,000	33,000	D	52,000	6,000	78,000	665,000
Other social sciences	600,000	58,000	S	32,000	3,000	15,000	3,000	57,000	485,000
Engineering	3,494,000	1,970,000	30,000	601,000	22,000	4,000	1,312,000	531,000	993,000
Aerospace, aeronautical, and astronautical engineering	127,000	58,000	D	8,000	*	D	50,000	8,000	60,000
Chemical engineering	220,000	129,000	2,000	14,000	3,000	D	109,000	23,000	68,000
Civil and architectural engineering	501,000	250,000	D	14,000	2,000	D	234,000	96,000	155,000

TABLE 1-2

Employed college graduates, by level of highest degree, minor field of highest degree, and major occupation: 2017

(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		
Electrical and computer engineering	1,264,000	820,000	S	456,000	2,000	S	353,000	205,000	239,000
Industrial engineering	214,000	83,000	D	28,000	D	D	54,000	34,000	97,000
Mechanical engineering	689,000	387,000	2,000	42,000	3,000	S	338,000	98,000	204,000
Other engineering	479,000	243,000	18,000	39,000	12,000	D	174,000	67,000	170,000
S&E-related fields	6,870,000	382,000	71,000	180,000	12,000	27,000	92,000	4,796,000	1,693,000
Health	5,572,000	146,000	68,000	52,000	6,000	16,000	5,000	4,297,000	1,129,000
Science and mathematics teacher education	394,000	29,000	3,000	21,000	2,000	S	S	180,000	185,000
Technology and technical fields	453,000	173,000	S	98,000	S	D	73,000	93,000	187,000
Other S&E-related fields	452,000	35,000	D	10,000	4,000	9,000	12,000	225,000	192,000
Non-S&E fields	26,852,000	1,301,000	33,000	874,000	24,000	203,000	168,000	1,479,000	24,072,000
Management and administration fields	9,501,000	573,000	7,000	413,000	6,000	29,000	118,000	391,000	8,537,000
Education, except science and math teacher education	5,157,000	98,000	2,000	75,000	1,000	15,000	6,000	509,000	4,549,000
Social service and related fields	1,364,000	58,000	S	21,000	D	34,000	1,000	73,000	1,232,000
Sales and marketing fields	1,324,000	103,000	D	46,000	D	S	10,000	22,000	1,199,000
Art and humanities fields	4,270,000	226,000	1,000	185,000	9,000	20,000	11,000	236,000	3,807,000
Other non-S&E fields	5,235,000	242,000	20,000	134,000	8,000	58,000	22,000	247,000	4,747,000
Bachelor's	30,131,000	3,846,000	230,000	2,219,000	164,000	172,000	1,061,000	4,338,000	21,946,000
S&E fields	10,241,000	2,918,000	205,000	1,530,000	150,000	90,000	943,000	1,410,000	5,913,000
Biological, agricultural, and environmental life sciences	1,631,000	321,000	163,000	72,000	61,000	5,000	20,000	474,000	836,000
Agricultural and food sciences	224,000	24,000	16,000	S	1,000	D	4,000	27,000	172,000
Biological sciences	1,229,000	265,000	136,000	63,000	52,000	2,000	12,000	413,000	551,000
Environmental life sciences	178,000	31,000	11,000	6,000	7,000	S	4,000	33,000	113,000
Computer and mathematical sciences	1,713,000	879,000	2,000	846,000	S	4,000	27,000	192,000	641,000
Computer and information sciences	1,352,000	807,000	D	785,000	D	D	20,000	121,000	425,000
Mathematics and statistics	361,000	72,000	D	61,000	S	S	7,000	72,000	217,000

TABLE 1-2

Employed college graduates, by level of highest degree, minor field of highest degree, and major occupation: 2017

(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		
Physical and related sciences	466,000	147,000	14,000	35,000	75,000	1,000	23,000	98,000	221,000
Chemistry, except biochemistry	206,000	73,000	9,000	14,000	41,000	*	9,000	60,000	74,000
Earth, atmospheric, and ocean sciences	149,000	39,000	D	7,000	26,000	D	5,000	13,000	97,000
Physics and astronomy	85,000	29,000	S	12,000	8,000	D	7,000	15,000	41,000
Other physical sciences	26,000	7,000	S	D	S	D	D	10,000	10,000
Social and related sciences	4,044,000	305,000	10,000	190,000	5,000	78,000	22,000	278,000	3,461,000
Economics	751,000	70,000	S	41,000	D	S	4,000	33,000	649,000
Political and related sciences	780,000	52,000	D	37,000	D	8,000	S	43,000	684,000
Psychology	1,372,000	101,000	4,000	58,000	*	34,000	4,000	101,000	1,171,000
Sociology and anthropology	722,000	50,000	*	31,000	D	13,000	6,000	69,000	603,000
Other social sciences	419,000	32,000	S	24,000	2,000	S	3,000	33,000	354,000
Engineering	2,387,000	1,265,000	16,000	387,000	8,000	2,000	852,000	368,000	754,000
Aerospace, aeronautical, and astronautical engineering	84,000	32,000	D	5,000	D	D	27,000	6,000	46,000
Chemical engineering	167,000	95,000	1,000	11,000	2,000	D	81,000	17,000	55,000
Civil and architectural engineering	362,000	169,000	D	10,000	D	D	158,000	74,000	119,000
Electrical and computer engineering	816,000	516,000	D	297,000	*	D	211,000	132,000	168,000
Industrial engineering	141,000	51,000	D	15,000	D	D	36,000	21,000	68,000
Mechanical engineering	541,000	284,000	D	31,000	D	D	249,000	79,000	179,000
Other engineering	276,000	118,000	S	17,000	4,000	D	90,000	38,000	119,000
S&E-related fields	3,390,000	189,000	16,000	98,000	2,000	5,000	68,000	2,167,000	1,035,000
Health	2,555,000	43,000	15,000	24,000	1,000	S	2,000	1,870,000	642,000
Science and mathematics teacher education	179,000	5,000	D	4,000	*	D	D	76,000	98,000
Technology and technical fields	360,000	125,000	D	63,000	*	D	61,000	74,000	161,000
Other S&E-related fields	297,000	16,000	D	7,000	D	S	6,000	148,000	134,000

TABLE 1-2

Employed college graduates, by level of highest degree, minor field of highest degree, and major occupation: 2017

(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		
Non-S&E fields	16,499,000	740,000	9,000	591,000	12,000	77,000	49,000	761,000	14,998,000
Management and administration fields	6,509,000	274,000	1,000	244,000	*	S	23,000	185,000	6,050,000
Education, except science and math teacher education	2,223,000	38,000	D	33,000	D	D	3,000	162,000	2,023,000
Social service and related fields	531,000	17,000	D	12,000	D	3,000	D	39,000	476,000
Sales and marketing fields	1,063,000	83,000	D	37,000	D	S	3,000	11,000	969,000
Art and humanities fields	3,356,000	197,000	1,000	165,000	9,000	15,000	8,000	192,000	2,967,000
Other non-S&E fields	2,816,000	130,000	5,000	102,000	3,000	S	12,000	172,000	2,513,000
Master's	13,260,000	2,069,000	149,000	1,039,000	98,000	235,000	548,000	2,262,000	8,929,000
S&E fields	3,138,000	1,442,000	110,000	701,000	81,000	136,000	413,000	467,000	1,230,000
Biological, agricultural, and environmental life sciences	351,000	123,000	89,000	14,000	12,000	2,000	6,000	106,000	122,000
Agricultural and food sciences	40,000	21,000	19,000	D	1,000	D	S	4,000	15,000
Biological sciences	254,000	83,000	62,000	11,000	7,000	S	2,000	93,000	77,000
Environmental life sciences	57,000	18,000	8,000	S	4,000	S	3,000	9,000	30,000
Computer and mathematical sciences	754,000	482,000	1,000	454,000	1,000	3,000	22,000	108,000	165,000
Computer and information sciences	613,000	411,000	S	390,000	*	2,000	19,000	80,000	121,000
Mathematics and statistics	141,000	70,000	D	65,000	D	1,000	4,000	28,000	44,000
Physical and related sciences	179,000	98,000	11,000	16,000	60,000	D	11,000	43,000	38,000
Chemistry, except biochemistry	64,000	32,000	7,000	S	19,000	D	3,000	15,000	18,000
Earth, atmospheric, and ocean sciences	63,000	38,000	S	4,000	29,000	D	4,000	18,000	8,000
Physics and astronomy	50,000	27,000	S	10,000	11,000	D	4,000	10,000	13,000
Other physical sciences	2,000	1,000	*	D	D	D	D	*	D
Social and related sciences	954,000	176,000	3,000	36,000	1,000	131,000	5,000	71,000	707,000
Economics	81,000	20,000	S	6,000	D	12,000	D	S	59,000

TABLE 1-2

Employed college graduates, by level of highest degree, minor field of highest degree, and major occupation: 2017

(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		
Political and related sciences	185,000	37,000	D	13,000	D	21,000	3,000	8,000	140,000
Psychology	474,000	87,000	D	7,000	D	78,000	D	30,000	357,000
Sociology and anthropology	74,000	18,000	1,000	S	D	15,000	D	8,000	48,000
Other social sciences	140,000	14,000	D	8,000	S	5,000	D	23,000	102,000
Engineering	899,000	563,000	5,000	181,000	7,000	1,000	369,000	139,000	197,000
Aerospace, aeronautical, and astronautical engineering	37,000	22,000	D	2,000	D	D	20,000	2,000	13,000
Chemical engineering	33,000	21,000	S	2,000	*	D	18,000	5,000	7,000
Civil and architectural engineering	121,000	69,000	D	3,000	S	D	65,000	19,000	33,000
Electrical and computer engineering	382,000	257,000	D	139,000	*	*	117,000	64,000	61,000
Industrial engineering	65,000	28,000	D	10,000	D	D	17,000	11,000	25,000
Mechanical engineering	117,000	79,000	D	9,000	S	D	69,000	17,000	21,000
Other engineering	145,000	86,000	S	15,000	4,000	D	63,000	21,000	38,000
S&E-related fields	1,788,000	131,000	20,000	65,000	7,000	18,000	21,000	1,126,000	530,000
Health	1,349,000	52,000	17,000	18,000	3,000	12,000	2,000	928,000	370,000
Science and mathematics teacher education	203,000	19,000	2,000	13,000	D	D	S	103,000	81,000
Technology and technical fields	84,000	43,000	D	32,000	D	D	11,000	18,000	23,000
Other S&E-related fields	151,000	17,000	D	3,000	D	5,000	6,000	77,000	57,000
Non-S&E fields	8,334,000	496,000	19,000	272,000	9,000	81,000	114,000	669,000	7,168,000
Management and administration fields	2,953,000	295,000	5,000	168,000	6,000	23,000	93,000	204,000	2,454,000
Education, except science and math teacher education	2,787,000	54,000	1,000	40,000	S	8,000	3,000	329,000	2,404,000
Social service and related fields	733,000	33,000	S	8,000	D	23,000	*	33,000	666,000
Sales and marketing fields	252,000	20,000	D	10,000	D	3,000	7,000	11,000	221,000
Art and humanities fields	765,000	25,000	D	19,000	D	3,000	S	43,000	697,000
Other non-S&E fields	843,000	69,000	11,000	27,000	3,000	21,000	7,000	49,000	726,000
Doctorate	1,796,000	786,000	217,000	150,000	101,000	201,000	116,000	267,000	743,000

TABLE 1-2

Employed college graduates, by level of highest degree, minor field of highest degree, and major occupation: 2017

(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		
S&E fields	1,082,000	702,000	192,000	134,000	98,000	167,000	111,000	117,000	262,000
Biological, agricultural, and environmental life sciences	308,000	189,000	164,000	10,000	9,000	4,000	4,000	55,000	63,000
Agricultural and food sciences	21,000	12,000	9,000	D	1,000	D	D	S	4,000
Biological sciences	279,000	173,000	152,000	8,000	6,000	3,000	3,000	50,000	56,000
Environmental life sciences	7,000	4,000	2,000	S	1,000	D	D	D	S
Computer and mathematical sciences	100,000	76,000	S	72,000	D	S	2,000	7,000	16,000
Computer and information sciences	52,000	39,000	D	37,000	D	S	D	5,000	8,000
Mathematics and statistics	48,000	37,000	D	35,000	D	D	2,000	2,000	8,000
Physical and related sciences	168,000	121,000	13,000	12,000	81,000	S	13,000	18,000	30,000
Chemistry, except biochemistry	79,000	51,000	10,000	3,000	34,000	D	4,000	10,000	17,000
Earth, atmospheric, and ocean sciences	22,000	16,000	D	D	14,000	D	D	S	4,000
Physics and astronomy	67,000	52,000	2,000	8,000	33,000	D	9,000	7,000	8,000
Other physical sciences	S	S	D	D	D	D	D	D	D
Social and related sciences	298,000	174,000	5,000	8,000	S	159,000	D	14,000	110,000
Economics	38,000	25,000	D	3,000	D	22,000	D	D	13,000
Political and related sciences	29,000	17,000	D	*	D	16,000	D	S	11,000
Psychology	148,000	95,000	3,000	4,000	D	88,000	D	10,000	44,000
Sociology and anthropology	42,000	26,000	S	D	D	25,000	D	2,000	14,000
Other social sciences	41,000	11,000	D	D	1,000	9,000	D	S	28,000
Engineering	208,000	142,000	9,000	33,000	7,000	D	92,000	23,000	43,000
Aerospace, aeronautical, and astronautical engineering	6,000	4,000	D	D	D	D	4,000	D	D
Chemical engineering	20,000	13,000	S	S	D	D	11,000	1,000	6,000

TABLE 1-2

Employed college graduates, by level of highest degree, minor field of highest degree, and major occupation: 2017

(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		
Civil and architectural engineering	18,000	13,000	D	D	D	D	11,000	2,000	S
Electrical and computer engineering	66,000	46,000	D	20,000	1,000	D	25,000	10,000	10,000
Industrial engineering	8,000	4,000	D	2,000	D	D	1,000	D	4,000
Mechanical engineering	30,000	24,000	D	2,000	D	D	20,000	2,000	5,000
Other engineering	58,000	39,000	7,000	7,000	4,000	D	21,000	7,000	12,000
S&E-related fields	219,000	42,000	22,000	11,000	2,000	4,000	3,000	125,000	52,000
Health	195,000	31,000	22,000	S	2,000	2,000	D	123,000	41,000
Science and mathematics teacher education	12,000	5,000	D	4,000	D	D	D	1,000	6,000
Technology and technical fields	9,000	5,000	D	S	D	D	1,000	S	3,000
Other S&E-related fields	3,000	2,000	D	D	D	S	D	D	2,000
Non-S&E fields	495,000	41,000	3,000	5,000	*	31,000	3,000	24,000	429,000
Management and administration fields	39,000	4,000	D	D	D	1,000	D	S	34,000
Education, except science and math teacher education	146,000	5,000	D	1,000	D	4,000	D	18,000	123,000
Social service and related fields	100,000	9,000	D	1,000	D	7,000	D	S	90,000
Sales and marketing fields	9,000	D	D	D	D	D	D	D	8,000
Art and humanities fields	148,000	4,000	D	D	D	2,000	D	S	143,000
Other non-S&E fields	53,000	19,000	2,000	D	D	15,000	D	2,000	32,000
Professional	3,036,000	67,000	15,000	11,000	2,000	37,000	2,000	1,404,000	1,565,000
S&E fields	40,000	24,000	D	D	D	23,000	D	S	12,000
S&E-related fields	1,473,000	20,000	14,000	5,000	D	*	D	1,377,000	76,000
Non-S&E fields	1,524,000	24,000	D	5,000	2,000	13,000	2,000	23,000	1,477,000

* = 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, 2017.