

TABLE 1-1

**College graduates, by level of highest degree, minor field of highest degree, and labor force status: 2017**

(Number)

Level and field of highest degree	Total	Employed			Unemployed <sup>a</sup>	Not in labor force <sup>b</sup>	
		Total	S&E occupations	S&E-related occupations			Non-S&E occupations
All degrees	61,220,000	48,223,000	6,769,000	8,271,000	33,183,000	1,513,000	11,483,000
S&E fields	18,339,000	14,501,000	5,085,000	1,997,000	7,418,000	509,000	3,330,000
Biological, agricultural, and environmental life sciences	2,982,000	2,290,000	633,000	635,000	1,022,000	71,000	622,000
Agricultural and food sciences	360,000	286,000	57,000	36,000	192,000	6,000	69,000
Biological sciences	2,326,000	1,763,000	522,000	556,000	684,000	58,000	506,000
Environmental life sciences	296,000	241,000	53,000	42,000	146,000	S	47,000
Computer and mathematical sciences	3,087,000	2,567,000	1,437,000	307,000	823,000	82,000	439,000
Computer and information sciences	2,330,000	2,017,000	1,257,000	205,000	554,000	62,000	251,000
Mathematics and statistics	757,000	550,000	180,000	102,000	269,000	20,000	187,000
Physical and related sciences	1,024,000	814,000	366,000	159,000	289,000	19,000	191,000
Chemistry, except biochemistry	466,000	349,000	156,000	84,000	108,000	8,000	109,000
Earth, atmospheric, and ocean sciences	276,000	234,000	93,000	33,000	108,000	6,000	35,000
Physics and astronomy	250,000	202,000	109,000	31,000	62,000	3,000	44,000
Other physical sciences	34,000	29,000	8,000	10,000	10,000	S	2,000
Social and related sciences	7,021,000	5,336,000	679,000	366,000	4,291,000	211,000	1,474,000
Economics	1,069,000	870,000	115,000	35,000	721,000	26,000	173,000
Political and related sciences	1,259,000	994,000	107,000	51,000	836,000	29,000	235,000
Psychology	2,764,000	2,034,000	306,000	144,000	1,584,000	108,000	622,000
Sociology and anthropology	1,157,000	838,000	95,000	78,000	665,000	34,000	285,000
Other social sciences	772,000	600,000	58,000	57,000	485,000	13,000	159,000
Engineering	4,225,000	3,494,000	1,970,000	531,000	993,000	126,000	605,000
Aerospace, aeronautical, and astronautical engineering	166,000	127,000	58,000	8,000	60,000	6,000	33,000
Chemical engineering	281,000	220,000	129,000	23,000	68,000	10,000	51,000
Civil and architectural engineering	597,000	501,000	250,000	96,000	155,000	11,000	86,000
Electrical and computer engineering	1,508,000	1,264,000	820,000	205,000	239,000	48,000	196,000
Industrial engineering	263,000	214,000	83,000	34,000	97,000	10,000	39,000
Mechanical engineering	829,000	689,000	387,000	98,000	204,000	31,000	110,000
Other engineering	581,000	479,000	243,000	67,000	170,000	11,000	91,000
S&E-related fields	8,383,000	6,870,000	382,000	4,796,000	1,693,000	168,000	1,345,000
Health	6,720,000	5,572,000	146,000	4,297,000	1,129,000	122,000	1,027,000
Science and mathematics teacher education	560,000	394,000	29,000	180,000	185,000	8,000	159,000
Technology and technical fields	577,000	453,000	173,000	93,000	187,000	31,000	93,000
Other S&E-related fields	526,000	452,000	35,000	225,000	192,000	8,000	66,000
Non-S&E fields	34,497,000	26,852,000	1,301,000	1,479,000	24,072,000	836,000	6,809,000
Management and administration fields	11,778,000	9,501,000	573,000	391,000	8,537,000	363,000	1,913,000
Education, except science and math teacher education	7,466,000	5,157,000	98,000	509,000	4,549,000	134,000	2,175,000
Social service and related fields	1,717,000	1,364,000	58,000	73,000	1,232,000	32,000	321,000
Sales and marketing fields	1,514,000	1,324,000	103,000	22,000	1,199,000	26,000	163,000
Art and humanities fields	5,585,000	4,270,000	226,000	236,000	3,807,000	159,000	1,156,000
Other non-S&E fields	6,437,000	5,235,000	242,000	247,000	4,747,000	121,000	1,081,000

TABLE 1-1

**College graduates, by level of highest degree, minor field of highest degree, and labor force status: 2017**

(Number)

Level and field of highest degree	Total	Employed				Unemployed <sup>a</sup>	Not in labor force <sup>b</sup>
		Total	S&E occupations	S&E-related occupations	Non-S&E occupations		
Bachelor's	38,866,000	30,131,000	3,846,000	4,338,000	21,946,000	1,088,000	7,647,000
S&E fields	13,077,000	10,241,000	2,918,000	1,410,000	5,913,000	387,000	2,449,000
Biological, agricultural, and environmental life sciences	2,152,000	1,631,000	321,000	474,000	836,000	56,000	466,000
Agricultural and food sciences	284,000	224,000	24,000	27,000	172,000	4,000	56,000
Biological sciences	1,652,000	1,229,000	265,000	413,000	551,000	44,000	378,000
Environmental life sciences	217,000	178,000	31,000	33,000	113,000	S	32,000
Computer and mathematical sciences	2,046,000	1,713,000	879,000	192,000	641,000	54,000	278,000
Computer and information sciences	1,537,000	1,352,000	807,000	121,000	425,000	40,000	145,000
Mathematics and statistics	509,000	361,000	72,000	72,000	217,000	14,000	134,000
Physical and related sciences	606,000	466,000	147,000	98,000	221,000	11,000	129,000
Chemistry, except biochemistry	287,000	206,000	73,000	60,000	74,000	4,000	76,000
Earth, atmospheric, and ocean sciences	174,000	149,000	39,000	13,000	97,000	3,000	22,000
Physics and astronomy	116,000	85,000	29,000	15,000	41,000	S	30,000
Other physical sciences	30,000	26,000	7,000	10,000	10,000	D	S
Social and related sciences	5,348,000	4,044,000	305,000	278,000	3,461,000	178,000	1,126,000
Economics	911,000	751,000	70,000	33,000	649,000	24,000	135,000
Political and related sciences	993,000	780,000	52,000	43,000	684,000	26,000	188,000
Psychology	1,911,000	1,372,000	101,000	101,000	1,171,000	85,000	453,000
Sociology and anthropology	1,004,000	722,000	50,000	69,000	603,000	32,000	250,000
Other social sciences	529,000	419,000	32,000	33,000	354,000	11,000	100,000
Engineering	2,925,000	2,387,000	1,265,000	368,000	754,000	88,000	450,000
Aerospace, aeronautical, and astronautical engineering	108,000	84,000	32,000	6,000	46,000	S	22,000
Chemical engineering	216,000	167,000	95,000	17,000	55,000	8,000	41,000
Civil and architectural engineering	437,000	362,000	169,000	74,000	119,000	7,000	69,000
Electrical and computer engineering	1,000,000	816,000	516,000	132,000	168,000	37,000	147,000
Industrial engineering	173,000	141,000	51,000	21,000	68,000	3,000	28,000
Mechanical engineering	652,000	541,000	284,000	79,000	179,000	25,000	86,000
Other engineering	338,000	276,000	118,000	38,000	119,000	5,000	57,000
S&E-related fields	4,295,000	3,390,000	189,000	2,167,000	1,035,000	94,000	810,000
Health	3,233,000	2,555,000	43,000	1,870,000	642,000	64,000	614,000
Science and mathematics teacher education	252,000	179,000	5,000	76,000	98,000	D	71,000
Technology and technical fields	465,000	360,000	125,000	74,000	161,000	24,000	81,000
Other S&E-related fields	346,000	297,000	16,000	148,000	134,000	5,000	43,000
Non-S&E fields	21,493,000	16,499,000	740,000	761,000	14,998,000	607,000	4,388,000
Management and administration fields	8,152,000	6,509,000	274,000	185,000	6,050,000	277,000	1,365,000
Education, except science and math teacher education	3,386,000	2,223,000	38,000	162,000	2,023,000	61,000	1,102,000
Social service and related fields	712,000	531,000	17,000	39,000	476,000	18,000	162,000
Sales and marketing fields	1,226,000	1,063,000	83,000	11,000	969,000	23,000	140,000

TABLE 1-1

**College graduates, by level of highest degree, minor field of highest degree, and labor force status: 2017**

(Number)

Level and field of highest degree	Total	Employed			Unemployed <sup>a</sup>	Not in labor force <sup>b</sup>	
		Total	S&E occupations	S&E-related occupations			Non-S&E occupations
Art and humanities fields	4,433,000	3,356,000	197,000	192,000	2,967,000	139,000	938,000
Other non-S&E fields	3,584,000	2,816,000	130,000	172,000	2,513,000	88,000	681,000
Master's	16,756,000	13,260,000	2,069,000	2,262,000	8,929,000	348,000	3,149,000
S&E fields	3,905,000	3,138,000	1,442,000	467,000	1,230,000	93,000	674,000
Biological, agricultural, and environmental life sciences	457,000	351,000	123,000	106,000	122,000	7,000	99,000
Agricultural and food sciences	48,000	40,000	21,000	4,000	15,000	S	7,000
Biological sciences	337,000	254,000	83,000	93,000	77,000	5,000	78,000
Environmental life sciences	72,000	57,000	18,000	9,000	30,000	S	14,000
Computer and mathematical sciences	922,000	754,000	482,000	108,000	165,000	25,000	142,000
Computer and information sciences	735,000	613,000	411,000	80,000	121,000	22,000	100,000
Mathematics and statistics	187,000	141,000	70,000	28,000	44,000	4,000	42,000
Physical and related sciences	211,000	179,000	98,000	43,000	38,000	4,000	28,000
Chemistry, except biochemistry	81,000	64,000	32,000	15,000	18,000	2,000	15,000
Earth, atmospheric, and ocean sciences	74,000	63,000	38,000	18,000	8,000	S	9,000
Physics and astronomy	54,000	50,000	27,000	10,000	13,000	D	3,000
Other physical sciences	2,000	2,000	1,000	*	D	D	D
Social and related sciences	1,252,000	954,000	176,000	71,000	707,000	25,000	273,000
Economics	108,000	81,000	20,000	S	59,000	S	26,000
Political and related sciences	227,000	185,000	37,000	8,000	140,000	S	39,000
Psychology	625,000	474,000	87,000	30,000	357,000	17,000	134,000
Sociology and anthropology	100,000	74,000	18,000	8,000	48,000	1,000	24,000
Other social sciences	192,000	140,000	14,000	23,000	102,000	1,000	51,000
Engineering	1,063,000	899,000	563,000	139,000	197,000	31,000	132,000
Aerospace, aeronautical, and astronautical engineering	51,000	37,000	22,000	2,000	13,000	S	11,000
Chemical engineering	40,000	33,000	21,000	5,000	7,000	1,000	5,000
Civil and architectural engineering	140,000	121,000	69,000	19,000	33,000	3,000	16,000
Electrical and computer engineering	435,000	382,000	257,000	64,000	61,000	10,000	43,000
Industrial engineering	80,000	65,000	28,000	11,000	25,000	S	11,000
Mechanical engineering	142,000	117,000	79,000	17,000	21,000	5,000	20,000
Other engineering	175,000	145,000	86,000	21,000	38,000	4,000	26,000
S&E-related fields	2,185,000	1,788,000	131,000	1,126,000	530,000	51,000	347,000
Health	1,617,000	1,349,000	52,000	928,000	370,000	36,000	232,000
Science and mathematics teacher education	290,000	203,000	19,000	103,000	81,000	5,000	81,000
Technology and technical fields	103,000	84,000	43,000	18,000	23,000	S	12,000
Other S&E-related fields	176,000	151,000	17,000	77,000	57,000	2,000	22,000
Non-S&E fields	10,666,000	8,334,000	496,000	669,000	7,168,000	204,000	2,128,000
Management and administration fields	3,581,000	2,953,000	295,000	204,000	2,454,000	86,000	542,000
Education, except science and math teacher education	3,887,000	2,787,000	54,000	329,000	2,404,000	71,000	1,029,000

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(Number)

Level and field of highest degree	Total	Employed				Unemployed <sup>a</sup>	Not in labor force <sup>b</sup>
		Total	S&E occupations	S&E-related occupations	Non-S&E occupations		
Social service and related fields	883,000	733,000	33,000	33,000	666,000	14,000	136,000
Sales and marketing fields	278,000	252,000	20,000	11,000	221,000	3,000	23,000
Art and humanities fields	984,000	765,000	25,000	43,000	697,000	19,000	199,000
Other non-S&E fields	1,052,000	843,000	69,000	49,000	726,000	11,000	197,000
Doctorate	2,172,000	1,796,000	786,000	267,000	743,000	40,000	336,000
S&E fields	1,311,000	1,082,000	702,000	117,000	262,000	28,000	201,000
Biological, agricultural, and environmental life sciences	372,000	308,000	189,000	55,000	63,000	8,000	57,000
Agricultural and food sciences	27,000	21,000	12,000	S	4,000	D	6,000
Biological sciences	337,000	279,000	173,000	50,000	56,000	8,000	50,000
Environmental life sciences	8,000	7,000	4,000	D	S	D	D
Computer and mathematical sciences	120,000	100,000	76,000	7,000	16,000	2,000	18,000
Computer and information sciences	58,000	52,000	39,000	5,000	8,000	D	6,000
Mathematics and statistics	62,000	48,000	37,000	2,000	8,000	2,000	12,000
Physical and related sciences	207,000	168,000	121,000	18,000	30,000	4,000	34,000
Chemistry, except biochemistry	98,000	79,000	51,000	10,000	17,000	1,000	18,000
Earth, atmospheric, and ocean sciences	27,000	22,000	16,000	S	4,000	D	S
Physics and astronomy	80,000	67,000	52,000	7,000	8,000	S	11,000
Other physical sciences	2,000	S	S	D	D	D	D
Social and related sciences	374,000	298,000	174,000	14,000	110,000	7,000	69,000
Economics	50,000	38,000	25,000	D	13,000	D	12,000
Political and related sciences	38,000	29,000	17,000	S	11,000	D	9,000
Psychology	182,000	148,000	95,000	10,000	44,000	5,000	29,000
Sociology and anthropology	54,000	42,000	26,000	2,000	14,000	D	11,000
Other social sciences	51,000	41,000	11,000	S	28,000	D	8,000
Engineering	237,000	208,000	142,000	23,000	43,000	7,000	23,000
Aerospace, aeronautical, and astronautical engineering	7,000	6,000	4,000	D	D	D	D
Chemical engineering	25,000	20,000	13,000	1,000	6,000	S	4,000
Civil and architectural engineering	20,000	18,000	13,000	2,000	S	D	1,000
Electrical and computer engineering	73,000	66,000	46,000	10,000	10,000	D	6,000
Industrial engineering	11,000	8,000	4,000	D	4,000	D	D
Mechanical engineering	35,000	30,000	24,000	2,000	5,000	1,000	4,000
Other engineering	67,000	58,000	39,000	7,000	12,000	1,000	8,000
S&E-related fields	253,000	219,000	42,000	125,000	52,000	7,000	27,000
Health	221,000	195,000	31,000	123,000	41,000	6,000	20,000
Science and mathematics teacher education	19,000	12,000	5,000	1,000	6,000	D	S
Technology and technical fields	9,000	9,000	5,000	S	3,000	D	D
Other S&E-related fields	4,000	3,000	2,000	D	2,000	D	S
Non-S&E fields	608,000	495,000	41,000	24,000	429,000	4,000	108,000
Management and administration fields	45,000	39,000	4,000	S	34,000	D	6,000

TABLE 1-1

**College graduates, by level of highest degree, minor field of highest degree, and labor force status: 2017**

(Number)

Level and field of highest degree	Total	Employed			Unemployed <sup>a</sup>	Not in labor force <sup>b</sup>	
		Total	S&E occupations	S&E-related occupations			Non-S&E occupations
Education, except science and math teacher education	192,000	146,000	5,000	18,000	123,000	2,000	43,000
Social service and related fields	122,000	100,000	9,000	S	90,000	D	22,000
Sales and marketing fields	10,000	9,000	D	D	8,000	D	D
Art and humanities fields	168,000	148,000	4,000	S	143,000	D	19,000
Other non-S&E fields	71,000	53,000	19,000	2,000	32,000	D	18,000
Professional	3,426,000	3,036,000	67,000	1,404,000	1,565,000	38,000	352,000
S&E fields	46,000	40,000	24,000	S	12,000	D	6,000
S&E-related fields	1,650,000	1,473,000	20,000	1,377,000	76,000	16,000	161,000
Non-S&E fields	1,730,000	1,524,000	24,000	23,000	1,477,000	21,000	185,000

\* = 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> Unemployed includes individuals who were not working during the survey reference week but had been seeking work in the prior 4 weeks or who were on layoff from their job.

<sup>b</sup> Not in the labor force includes individuals who were not working during the survey reference week and had not been seeking work in the prior 4 weeks because of family responsibilities, chronic illness, or other reasons.

**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.