

TABLE 1-3  
Relationship of highest degree to job among employed college graduates, by level of highest degree, minor field of highest degree, and broad occupation: 2017  
(Number)

Level and field of highest degree	All				S&E occupations				S&E-related occupations				Non-S&E occupations			
	Total	Closely related	Somewhat related	Not related	Total	Closely related	Somewhat related	Not related	Total	Closely related	Somewhat related	Not related	Total	Closely related	Somewhat related	Not related
All degrees	48,223,000	25,875,000	13,012,000	9,336,000	6,769,000	4,361,000	1,769,000	638,000	8,271,000	6,284,000	1,311,000	677,000	33,183,000	15,230,000	9,932,000	8,021,000
S&E fields	14,501,000	6,932,000	4,302,000	3,266,000	5,085,000	3,619,000	1,152,000	315,000	1,997,000	1,158,000	595,000	245,000	7,418,000	2,156,000	2,556,000	2,706,000
Biological, agricultural, and environmental life sciences	2,290,000	1,129,000	608,000	552,000	633,000	461,000	125,000	47,000	635,000	407,000	169,000	59,000	1,022,000	261,000	314,000	446,000
Agricultural and food sciences	286,000	141,000	69,000	76,000	57,000	43,000	9,000	6,000	36,000	20,000	9,000	S	192,000	78,000	51,000	63,000
Biological sciences	1,763,000	885,000	456,000	422,000	522,000	386,000	99,000	37,000	556,000	372,000	149,000	36,000	684,000	128,000	207,000	349,000
Environmental life sciences	241,000	103,000	84,000	54,000	53,000	33,000	16,000	4,000	42,000	16,000	11,000	15,000	146,000	55,000	56,000	35,000
Computer and mathematical sciences	2,567,000	1,603,000	642,000	321,000	1,437,000	1,112,000	298,000	27,000	307,000	215,000	73,000	19,000	823,000	277,000	271,000	275,000
Computer and information sciences	2,017,000	1,318,000	474,000	225,000	1,257,000	991,000	247,000	20,000	205,000	147,000	43,000	16,000	554,000	180,000	184,000	190,000
Mathematics and statistics	550,000	286,000	168,000	96,000	180,000	121,000	52,000	7,000	102,000	68,000	30,000	4,000	269,000	97,000	87,000	85,000
Physical and related sciences	814,000	425,000	200,000	189,000	366,000	257,000	81,000	29,000	159,000	95,000	51,000	13,000	289,000	73,000	68,000	147,000
Chemistry, except biochemistry	349,000	190,000	97,000	62,000	156,000	111,000	32,000	13,000	84,000	49,000	31,000	4,000	108,000	30,000	33,000	45,000
Earth, atmospheric, and ocean sciences	234,000	116,000	40,000	78,000	93,000	72,000	15,000	6,000	33,000	20,000	8,000	4,000	108,000	25,000	16,000	68,000
Physics and astronomy	202,000	102,000	57,000	43,000	109,000	72,000	29,000	8,000	31,000	16,000	11,000	S	62,000	14,000	17,000	31,000
Other physical sciences	29,000	17,000	6,000	6,000	8,000	3,000	4,000	D	10,000	9,000	D	D	10,000	S	2,000	S
Social and related sciences	5,336,000	1,792,000	1,774,000	1,771,000	679,000	411,000	136,000	132,000	366,000	126,000	117,000	123,000	4,291,000	1,255,000	1,520,000	1,516,000
Economics	870,000	248,000	395,000	227,000	115,000	55,000	45,000	15,000	35,000	4,000	12,000	19,000	721,000	189,000	339,000	193,000
Political and related sciences	994,000	234,000	333,000	428,000	107,000	46,000	19,000	41,000	51,000	11,000	12,000	28,000	836,000	176,000	301,000	359,000
Psychology	2,034,000	865,000	596,000	572,000	306,000	230,000	37,000	39,000	144,000	69,000	38,000	36,000	1,584,000	566,000	521,000	497,000
Sociology and anthropology	838,000	216,000	267,000	355,000	95,000	49,000	16,000	30,000	78,000	15,000	36,000	28,000	665,000	152,000	216,000	298,000
Other social sciences	600,000	229,000	182,000	188,000	58,000	31,000	20,000	7,000	57,000	26,000	19,000	12,000	485,000	172,000	144,000	169,000
Engineering	3,494,000	1,982,000	1,079,000	433,000	1,970,000	1,377,000	512,000	81,000	531,000	315,000	185,000	31,000	993,000	290,000	382,000	321,000

TABLE 1-3  
Relationship of highest degree to job among employed college graduates, by level of highest degree, minor field of highest degree, and broad occupation: 2017

(Number)

Level and field of highest degree	All				S&E occupations				S&E-related occupations				Non-S&E occupations			
	Total	Closely related	Somewhat related	Not related	Total	Closely related	Somewhat related	Not related	Total	Closely related	Somewhat related	Not related	Total	Closely related	Somewhat related	Not related
Aerospace, aeronautical, and astronautical engineering	127,000	56,000	37,000	33,000	58,000	39,000	14,000	5,000	8,000	2,000	5,000	S	60,000	15,000	18,000	27,000
Chemical engineering	220,000	111,000	72,000	37,000	129,000	84,000	39,000	7,000	23,000	12,000	6,000	S	68,000	15,000	27,000	25,000
Civil and architectural engineering	501,000	317,000	124,000	59,000	250,000	202,000	42,000	7,000	96,000	62,000	30,000	3,000	155,000	53,000	52,000	50,000
Electrical and computer engineering	1,264,000	778,000	379,000	107,000	820,000	586,000	211,000	22,000	205,000	119,000	78,000	8,000	239,000	72,000	90,000	77,000
Industrial engineering	214,000	94,000	85,000	36,000	83,000	45,000	32,000	6,000	34,000	20,000	11,000	3,000	97,000	29,000	42,000	27,000
Mechanical engineering	689,000	372,000	241,000	76,000	387,000	259,000	108,000	19,000	98,000	58,000	36,000	4,000	204,000	55,000	97,000	52,000
Other engineering	479,000	254,000	141,000	85,000	243,000	162,000	66,000	15,000	67,000	42,000	19,000	6,000	170,000	50,000	56,000	64,000
S&E-related fields	6,870,000	5,293,000	865,000	713,000	382,000	243,000	103,000	36,000	4,796,000	4,377,000	332,000	87,000	1,693,000	673,000	430,000	590,000
Health	5,572,000	4,533,000	571,000	468,000	146,000	92,000	37,000	18,000	4,297,000	3,971,000	266,000	60,000	1,129,000	470,000	268,000	391,000
Science and mathematics teacher education	394,000	264,000	56,000	73,000	29,000	18,000	7,000	S	180,000	167,000	7,000	S	185,000	79,000	42,000	64,000
Technology and technical fields	453,000	211,000	144,000	98,000	173,000	116,000	45,000	11,000	93,000	47,000	34,000	12,000	187,000	47,000	65,000	74,000
Other S&E-related fields	452,000	285,000	93,000	74,000	35,000	17,000	14,000	4,000	225,000	191,000	25,000	9,000	192,000	77,000	55,000	60,000
Non-S&E fields	26,852,000	13,651,000	7,844,000	5,357,000	1,301,000	500,000	514,000	287,000	1,479,000	749,000	385,000	345,000	24,072,000	12,402,000	6,946,000	4,725,000
Management and administration fields	9,501,000	4,432,000	3,479,000	1,590,000	573,000	224,000	258,000	91,000	391,000	162,000	135,000	94,000	8,537,000	4,045,000	3,087,000	1,406,000
Education, except science and math teacher education	5,157,000	3,681,000	763,000	713,000	98,000	27,000	51,000	20,000	509,000	350,000	88,000	72,000	4,549,000	3,304,000	625,000	621,000
Social service and related fields	1,364,000	819,000	216,000	329,000	58,000	33,000	8,000	18,000	73,000	25,000	21,000	27,000	1,232,000	762,000	187,000	284,000
Sales and marketing fields	1,324,000	563,000	613,000	148,000	103,000	66,000	25,000	12,000	22,000	7,000	3,000	11,000	1,199,000	490,000	585,000	125,000
Art and humanities fields	4,270,000	1,545,000	1,223,000	1,502,000	226,000	48,000	89,000	90,000	236,000	107,000	53,000	76,000	3,807,000	1,390,000	1,082,000	1,335,000
Other non-S&E fields	5,235,000	2,611,000	1,550,000	1,075,000	242,000	101,000	85,000	56,000	247,000	98,000	85,000	64,000	4,747,000	2,412,000	1,380,000	955,000
Bachelor's	30,131,000	13,209,000	9,328,000	7,594,000	3,846,000	2,198,000	1,161,000	487,000	4,338,000	2,946,000	860,000	532,000	21,946,000	8,064,000	7,307,000	6,575,000
S&E fields	10,241,000	4,042,000	3,330,000	2,870,000	2,918,000	1,880,000	787,000	251,000	1,410,000	745,000	456,000	208,000	5,913,000	1,417,000	2,086,000	2,411,000
Biological, agricultural, and environmental life sciences	1,631,000	656,000	481,000	495,000	321,000	194,000	88,000	39,000	474,000	293,000	133,000	48,000	836,000	169,000	260,000	408,000

TABLE 1-3  
Relationship of highest degree to job among employed college graduates, by level of highest degree, minor field of highest degree, and broad occupation: 2017  
(Number)

Level and field of highest degree	All				S&E occupations				S&E-related occupations				Non-S&E occupations			
	Total	Closely related	Somewhat related	Not related	Total	Closely related	Somewhat related	Not related	Total	Closely related	Somewhat related	Not related	Total	Closely related	Somewhat related	Not related
Agricultural and food sciences	224,000	94,000	59,000	71,000	24,000	14,000	6,000	5,000	27,000	13,000	7,000	S	172,000	67,000	46,000	59,000
Biological sciences	1,229,000	505,000	348,000	376,000	265,000	166,000	69,000	31,000	413,000	269,000	116,000	28,000	551,000	71,000	163,000	317,000
Environmental life sciences	178,000	56,000	73,000	48,000	31,000	15,000	13,000	4,000	33,000	11,000	10,000	12,000	113,000	30,000	51,000	32,000
Computer and mathematical sciences	1,713,000	987,000	460,000	267,000	879,000	658,000	203,000	18,000	192,000	131,000	50,000	12,000	641,000	198,000	206,000	237,000
Computer and information sciences	1,352,000	827,000	338,000	187,000	807,000	620,000	173,000	14,000	121,000	83,000	27,000	10,000	425,000	124,000	138,000	163,000
Mathematics and statistics	361,000	159,000	122,000	80,000	72,000	38,000	31,000	4,000	72,000	48,000	22,000	S	217,000	74,000	69,000	74,000
Physical and related sciences	466,000	189,000	116,000	162,000	147,000	93,000	35,000	20,000	98,000	53,000	35,000	10,000	221,000	43,000	46,000	132,000
Chemistry, except biochemistry	206,000	93,000	65,000	48,000	73,000	47,000	17,000	9,000	60,000	31,000	26,000	S	74,000	15,000	22,000	36,000
Earth, atmospheric, and ocean sciences	149,000	57,000	21,000	72,000	39,000	28,000	7,000	S	13,000	9,000	2,000	S	97,000	20,000	12,000	65,000
Physics and astronomy	85,000	24,000	25,000	36,000	29,000	16,000	8,000	5,000	15,000	5,000	S	D	41,000	S	10,000	28,000
Other physical sciences	26,000	15,000	5,000	6,000	7,000	S	3,000	D	10,000	D	D	D	10,000	S	2,000	S
Social and related sciences	4,044,000	955,000	1,491,000	1,598,000	305,000	82,000	107,000	117,000	278,000	64,000	99,000	115,000	3,461,000	809,000	1,286,000	1,366,000
Economics	751,000	177,000	367,000	208,000	70,000	17,000	39,000	14,000	33,000	2,000	11,000	19,000	649,000	158,000	316,000	174,000
Political and related sciences	780,000	136,000	260,000	384,000	52,000	7,000	12,000	34,000	43,000	7,000	10,000	26,000	684,000	122,000	238,000	324,000
Psychology	1,372,000	372,000	485,000	515,000	101,000	38,000	27,000	36,000	101,000	35,000	32,000	34,000	1,171,000	299,000	426,000	446,000
Sociology and anthropology	722,000	143,000	242,000	337,000	50,000	10,000	12,000	28,000	69,000	8,000	34,000	27,000	603,000	125,000	196,000	282,000
Other social sciences	419,000	127,000	137,000	155,000	32,000	10,000	17,000	5,000	33,000	11,000	12,000	10,000	354,000	105,000	109,000	140,000
Engineering	2,387,000	1,256,000	783,000	348,000	1,265,000	853,000	355,000	57,000	368,000	205,000	140,000	23,000	754,000	197,000	288,000	268,000
Aerospace, aeronautical, and astronautical engineering	84,000	34,000	23,000	26,000	32,000	21,000	7,000	4,000	6,000	2,000	4,000	S	46,000	12,000	13,000	21,000
Chemical engineering	167,000	80,000	56,000	30,000	95,000	60,000	31,000	5,000	17,000	9,000	5,000	S	55,000	12,000	21,000	22,000

TABLE 1-3  
Relationship of highest degree to job among employed college graduates, by level of highest degree, minor field of highest degree, and broad occupation: 2017  
(Number)

Level and field of highest degree	All				S&E occupations				S&E-related occupations				Non-S&E occupations			
	Total	Closely related	Somewhat related	Not related	Total	Closely related	Somewhat related	Not related	Total	Closely related	Somewhat related	Not related	Total	Closely related	Somewhat related	Not related
Civil and architectural engineering	362,000	220,000	95,000	48,000	169,000	133,000	30,000	5,000	74,000	46,000	26,000	S	119,000	41,000	39,000	40,000
Electrical and computer engineering	816,000	466,000	265,000	85,000	516,000	357,000	146,000	13,000	132,000	66,000	58,000	8,000	168,000	43,000	61,000	64,000
Industrial engineering	141,000	55,000	57,000	29,000	51,000	27,000	21,000	4,000	21,000	11,000	9,000	D	68,000	18,000	27,000	23,000
Mechanical engineering	541,000	280,000	198,000	63,000	284,000	184,000	84,000	16,000	79,000	50,000	26,000	3,000	179,000	46,000	88,000	44,000
Other engineering	276,000	120,000	88,000	67,000	118,000	71,000	37,000	10,000	38,000	23,000	12,000	S	119,000	26,000	40,000	53,000
S&E-related fields	3,390,000	2,287,000	581,000	522,000	189,000	101,000	63,000	25,000	2,167,000	1,905,000	209,000	53,000	1,035,000	281,000	310,000	444,000
Health	2,555,000	1,871,000	366,000	317,000	43,000	14,000	19,000	10,000	1,870,000	1,678,000	158,000	34,000	642,000	179,000	189,000	273,000
Science and mathematics teacher education	179,000	97,000	26,000	56,000	5,000	1,000	S	S	76,000	67,000	3,000	D	98,000	28,000	22,000	48,000
Technology and technical fields	360,000	150,000	124,000	86,000	125,000	78,000	36,000	11,000	74,000	34,000	31,000	9,000	161,000	38,000	57,000	66,000
Other S&E-related fields	297,000	169,000	65,000	64,000	16,000	8,000	6,000	2,000	148,000	126,000	17,000	S	134,000	35,000	42,000	56,000
Non-S&E fields	16,499,000	6,880,000	5,417,000	4,202,000	740,000	217,000	311,000	212,000	761,000	296,000	195,000	270,000	14,998,000	6,367,000	4,911,000	3,720,000
Management and administration fields	6,509,000	2,927,000	2,349,000	1,233,000	274,000	89,000	129,000	56,000	185,000	55,000	59,000	71,000	6,050,000	2,783,000	2,161,000	1,105,000
Education, except science and math teacher education	2,223,000	1,350,000	382,000	492,000	38,000	S	28,000	9,000	162,000	84,000	20,000	58,000	2,023,000	1,264,000	333,000	425,000
Social service and related fields	531,000	227,000	105,000	199,000	17,000	3,000	3,000	11,000	39,000	11,000	S	14,000	476,000	214,000	87,000	175,000
Sales and marketing fields	1,063,000	428,000	503,000	132,000	83,000	S	18,000	9,000	11,000	S	S	8,000	969,000	371,000	483,000	116,000
Art and humanities fields	3,356,000	1,055,000	980,000	1,321,000	197,000	37,000	79,000	82,000	192,000	75,000	46,000	71,000	2,967,000	944,000	856,000	1,168,000
Other non-S&E fields	2,816,000	893,000	1,098,000	824,000	130,000	32,000	53,000	45,000	172,000	69,000	54,000	48,000	2,513,000	791,000	991,000	731,000
Master's	13,260,000	8,576,000	3,172,000	1,512,000	2,069,000	1,438,000	500,000	131,000	2,262,000	1,764,000	371,000	127,000	8,929,000	5,374,000	2,301,000	1,254,000
S&E fields	3,138,000	2,000,000	793,000	346,000	1,442,000	1,112,000	278,000	51,000	467,000	315,000	118,000	34,000	1,230,000	572,000	397,000	261,000
Biological, agricultural, and environmental life sciences	351,000	220,000	86,000	45,000	123,000	98,000	21,000	3,000	106,000	67,000	29,000	10,000	122,000	55,000	35,000	32,000
Agricultural and food sciences	40,000	28,000	8,000	5,000	21,000	18,000	2,000	D	4,000	2,000	S	D	15,000	7,000	4,000	4,000

TABLE 1-3  
Relationship of highest degree to job among employed college graduates, by level of highest degree, minor field of highest degree, and broad occupation: 2017  
(Number)

Level and field of highest degree	All				S&E occupations				S&E-related occupations				Non-S&E occupations			
	Total	Closely related	Somewhat related	Not related	Total	Closely related	Somewhat related	Not related	Total	Closely related	Somewhat related	Not related	Total	Closely related	Somewhat related	Not related
Biological sciences	254,000	151,000	68,000	35,000	83,000	65,000	16,000	2,000	93,000	60,000	27,000	7,000	77,000	25,000	26,000	26,000
Environmental life sciences	57,000	41,000	10,000	6,000	18,000	14,000	3,000	D	9,000	4,000	S	D	30,000	22,000	5,000	3,000
Computer and mathematical sciences	754,000	541,000	163,000	51,000	482,000	391,000	83,000	7,000	108,000	80,000	20,000	7,000	165,000	69,000	59,000	36,000
Computer and information sciences	613,000	452,000	124,000	38,000	411,000	340,000	66,000	5,000	80,000	61,000	14,000	5,000	121,000	50,000	44,000	27,000
Mathematics and statistics	141,000	89,000	39,000	13,000	70,000	51,000	17,000	2,000	28,000	19,000	7,000	D	44,000	19,000	15,000	10,000
Physical and related sciences	179,000	113,000	48,000	18,000	98,000	71,000	21,000	6,000	43,000	29,000	12,000	2,000	38,000	13,000	14,000	11,000
Chemistry, except biochemistry	64,000	37,000	16,000	10,000	32,000	23,000	6,000	3,000	15,000	10,000	4,000	S	18,000	4,000	7,000	6,000
Earth, atmospheric, and ocean sciences	63,000	43,000	15,000	5,000	38,000	30,000	7,000	S	18,000	11,000	6,000	D	8,000	2,000	S	3,000
Physics and astronomy	50,000	31,000	16,000	3,000	27,000	17,000	9,000	S	10,000	7,000	S	D	13,000	7,000	5,000	S
Other physical sciences	2,000	1,000	*	D	1,000	S	D	D	*	*	D	D	D	D	D	D
Social and related sciences	954,000	551,000	245,000	158,000	176,000	140,000	23,000	14,000	71,000	48,000	16,000	8,000	707,000	364,000	207,000	137,000
Economics	81,000	36,000	26,000	19,000	20,000	15,000	4,000	1,000	S	S	D	D	59,000	20,000	21,000	18,000
Political and related sciences	185,000	74,000	69,000	43,000	37,000	24,000	6,000	7,000	8,000	4,000	S	S	140,000	45,000	61,000	34,000
Psychology	474,000	333,000	89,000	52,000	87,000	77,000	7,000	S	30,000	24,000	4,000	2,000	357,000	232,000	78,000	47,000
Sociology and anthropology	74,000	37,000	21,000	16,000	18,000	14,000	S	S	8,000	D	S	D	48,000	18,000	16,000	14,000
Other social sciences	140,000	70,000	41,000	29,000	14,000	10,000	3,000	S	23,000	13,000	S	S	102,000	47,000	30,000	25,000
Engineering	899,000	576,000	251,000	73,000	563,000	413,000	129,000	21,000	139,000	92,000	40,000	7,000	197,000	71,000	81,000	45,000
Aerospace, aeronautical, and astronautical engineering	37,000	18,000	13,000	S	22,000	15,000	7,000	1,000	2,000	D	S	D	13,000	3,000	S	S
Chemical engineering	33,000	17,000	9,000	7,000	21,000	14,000	5,000	D	5,000	S	1,000	D	7,000	*	4,000	S
Civil and architectural engineering	121,000	83,000	26,000	12,000	69,000	58,000	10,000	1,000	19,000	14,000	5,000	D	33,000	12,000	11,000	9,000

TABLE 1-3  
Relationship of highest degree to job among employed college graduates, by level of highest degree, minor field of highest degree, and broad occupation: 2017  
(Number)

Level and field of highest degree	All				S&E occupations				S&E-related occupations				Non-S&E occupations			
	Total	Closely related	Somewhat related	Not related	Total	Closely related	Somewhat related	Not related	Total	Closely related	Somewhat related	Not related	Total	Closely related	Somewhat related	Not related
Electrical and computer engineering	382,000	261,000	103,000	18,000	257,000	191,000	58,000	8,000	64,000	45,000	18,000	D	61,000	25,000	26,000	9,000
Industrial engineering	65,000	32,000	26,000	7,000	28,000	16,000	10,000	2,000	11,000	9,000	S	D	25,000	7,000	15,000	3,000
Mechanical engineering	117,000	68,000	40,000	10,000	79,000	54,000	23,000	3,000	17,000	7,000	9,000	D	21,000	6,000	8,000	7,000
Other engineering	145,000	97,000	34,000	15,000	86,000	64,000	17,000	5,000	21,000	15,000	5,000	S	38,000	17,000	12,000	8,000
S&E-related fields	1,788,000	1,414,000	217,000	157,000	131,000	89,000	33,000	10,000	1,126,000	1,016,000	80,000	30,000	530,000	309,000	104,000	118,000
Health	1,349,000	1,089,000	142,000	118,000	52,000	33,000	12,000	6,000	928,000	839,000	67,000	22,000	370,000	217,000	62,000	90,000
Science and mathematics teacher education	203,000	157,000	29,000	18,000	19,000	13,000	5,000	S	103,000	99,000	3,000	D	81,000	45,000	20,000	16,000
Technology and technical fields	84,000	54,000	19,000	11,000	43,000	34,000	8,000	S	18,000	13,000	3,000	S	23,000	7,000	8,000	7,000
Other S&E-related fields	151,000	113,000	28,000	10,000	17,000	8,000	8,000	S	77,000	66,000	7,000	D	57,000	39,000	13,000	4,000
Non-S&E fields	8,334,000	5,163,000	2,162,000	1,009,000	496,000	237,000	189,000	70,000	669,000	433,000	173,000	64,000	7,168,000	4,493,000	1,800,000	875,000
Management and administration fields	2,953,000	1,474,000	1,126,000	353,000	295,000	133,000	128,000	34,000	204,000	107,000	75,000	23,000	2,454,000	1,234,000	923,000	296,000
Education, except science and math teacher education	2,787,000	2,213,000	356,000	218,000	54,000	22,000	21,000	12,000	329,000	250,000	65,000	14,000	2,404,000	1,941,000	270,000	193,000
Social service and related fields	733,000	522,000	99,000	113,000	33,000	23,000	3,000	7,000	33,000	14,000	6,000	13,000	666,000	485,000	89,000	92,000
Sales and marketing fields	252,000	126,000	110,000	15,000	20,000	10,000	6,000	3,000	11,000	6,000	S	D	221,000	110,000	102,000	S
Art and humanities fields	765,000	374,000	226,000	165,000	25,000	8,000	9,000	8,000	43,000	32,000	S	5,000	697,000	335,000	210,000	152,000
Other non-S&E fields	843,000	454,000	245,000	144,000	69,000	42,000	21,000	5,000	49,000	25,000	19,000	6,000	726,000	387,000	205,000	133,000
Doctorate	1,796,000	1,437,000	256,000	103,000	786,000	678,000	95,000	13,000	267,000	231,000	30,000	6,000	743,000	529,000	131,000	83,000
S&E fields	1,082,000	857,000	177,000	47,000	702,000	603,000	86,000	13,000	117,000	93,000	20,000	3,000	262,000	161,000	71,000	31,000
Biological, agricultural, and environmental life sciences	308,000	254,000	42,000	12,000	189,000	169,000	16,000	4,000	55,000	48,000	6,000	1,000	63,000	37,000	20,000	6,000
Agricultural and food sciences	21,000	19,000	2,000	*	12,000	11,000	D	D	S	S	*	D	4,000	3,000	S	D
Biological sciences	279,000	229,000	39,000	11,000	173,000	155,000	14,000	4,000	50,000	43,000	6,000	1,000	56,000	31,000	19,000	6,000

TABLE 1-3  
Relationship of highest degree to job among employed college graduates, by level of highest degree, minor field of highest degree, and broad occupation: 2017  
(Number)

Level and field of highest degree	All				S&E occupations				S&E-related occupations				Non-S&E occupations			
	Total	Closely related	Somewhat related	Not related	Total	Closely related	Somewhat related	Not related	Total	Closely related	Somewhat related	Not related	Total	Closely related	Somewhat related	Not related
Environmental life sciences	7,000	6,000	*	D	4,000	4,000	*	D	D	D	D	D	S	S	D	D
Computer and mathematical sciences	100,000	76,000	20,000	4,000	76,000	62,000	12,000	2,000	7,000	4,000	3,000	D	16,000	10,000	5,000	2,000
Computer and information sciences	52,000	38,000	12,000	D	39,000	30,000	8,000	D	5,000	3,000	2,000	D	8,000	6,000	2,000	D
Mathematics and statistics	48,000	38,000	7,000	3,000	37,000	32,000	4,000	S	2,000	1,000	1,000	D	8,000	4,000	S	D
Physical and related sciences	168,000	124,000	36,000	9,000	121,000	93,000	24,000	3,000	18,000	13,000	3,000	S	30,000	17,000	8,000	5,000
Chemistry, except biochemistry	79,000	60,000	15,000	4,000	51,000	41,000	10,000	D	10,000	8,000	1,000	D	17,000	10,000	4,000	3,000
Earth, atmospheric, and ocean sciences	22,000	16,000	4,000	D	16,000	14,000	2,000	D	S	D	D	D	4,000	2,000	2,000	D
Physics and astronomy	67,000	47,000	16,000	4,000	52,000	38,000	13,000	2,000	7,000	4,000	2,000	D	8,000	5,000	2,000	2,000
Other physical sciences	S	D	D	D	S	D	D	D	D	D	D	D	D	D	D	D
Social and related sciences	298,000	253,000	35,000	11,000	174,000	167,000	6,000	S	14,000	11,000	3,000	D	110,000	75,000	25,000	10,000
Economics	38,000	35,000	2,000	D	25,000	24,000	1,000	D	D	D	D	D	13,000	11,000	1,000	D
Political and related sciences	29,000	24,000	4,000	D	17,000	16,000	S	D	S	D	D	D	11,000	8,000	2,000	D
Psychology	148,000	127,000	19,000	S	95,000	91,000	3,000	D	10,000	7,000	2,000	D	44,000	28,000	14,000	D
Sociology and anthropology	42,000	35,000	5,000	S	26,000	25,000	1,000	D	2,000	1,000	D	D	14,000	8,000	S	S
Other social sciences	41,000	32,000	5,000	D	11,000	11,000	*	D	S	S	D	D	28,000	20,000	4,000	D
Engineering	208,000	151,000	45,000	12,000	142,000	111,000	28,000	3,000	23,000	18,000	4,000	D	43,000	21,000	13,000	8,000
Aerospace, aeronautical, and astronautical engineering	6,000	4,000	D	D	4,000	3,000	D	D	D	D	D	D	D	D	D	D
Chemical engineering	20,000	13,000	6,000	D	13,000	9,000	3,000	D	1,000	S	D	D	6,000	3,000	S	D
Civil and architectural engineering	18,000	15,000	4,000	D	13,000	11,000	1,000	D	2,000	2,000	D	D	S	D	D	D
Electrical and computer engineering	66,000	51,000	11,000	S	46,000	38,000	7,000	D	10,000	9,000	S	D	10,000	5,000	2,000	D

TABLE 1-3  
Relationship of highest degree to job among employed college graduates, by level of highest degree, minor field of highest degree, and broad occupation: 2017

(Number)

Level and field of highest degree	All				S&E occupations				S&E-related occupations				Non-S&E occupations			
	Total	Closely related	Somewhat related	Not related	Total	Closely related	Somewhat related	Not related	Total	Closely related	Somewhat related	Not related	Total	Closely related	Somewhat related	Not related
Industrial engineering	8,000	7,000	1,000	D	4,000	3,000	D	D	D	D	D	D	4,000	S	D	D
Mechanical engineering	30,000	24,000	4,000	3,000	24,000	21,000	2,000	D	2,000	1,000	D	D	5,000	2,000	1,000	D
Other engineering	58,000	37,000	18,000	3,000	39,000	26,000	12,000	*	7,000	4,000	S	D	12,000	7,000	4,000	S
S&E-related fields	219,000	194,000	14,000	11,000	42,000	39,000	3,000	D	125,000	119,000	4,000	D	52,000	36,000	7,000	8,000
Health	195,000	174,000	11,000	10,000	31,000	30,000	2,000	D	123,000	118,000	3,000	D	41,000	27,000	6,000	8,000
Science and mathematics teacher education	12,000	10,000	S	D	5,000	4,000	D	D	1,000	1,000	D	D	6,000	5,000	D	D
Technology and technical fields	9,000	7,000	2,000	D	5,000	4,000	D	D	S	D	D	D	3,000	S	D	D
Other S&E-related fields	3,000	3,000	D	D	2,000	2,000	D	D	D	D	D	D	2,000	2,000	D	D
Non-S&E fields	495,000	386,000	64,000	45,000	41,000	36,000	5,000	*	24,000	18,000	6,000	S	429,000	332,000	53,000	44,000
Management and administration fields	39,000	31,000	4,000	D	4,000	3,000	D	D	S	D	D	D	34,000	28,000	2,000	D
Education, except science and math teacher education	146,000	118,000	25,000	3,000	5,000	4,000	S	D	18,000	15,000	S	D	123,000	98,000	21,000	3,000
Social service and related fields	100,000	70,000	13,000	17,000	9,000	7,000	D	D	S	D	D	D	90,000	63,000	11,000	17,000
Sales and marketing fields	9,000	9,000	D	D	D	D	D	D	D	D	D	D	8,000	8,000	D	D
Art and humanities fields	148,000	115,000	17,000	16,000	4,000	3,000	D	D	S	S	D	D	143,000	112,000	16,000	15,000
Other non-S&E fields	53,000	43,000	5,000	S	19,000	17,000	S	D	2,000	D	D	D	32,000	24,000	3,000	S
Professional	3,036,000	2,653,000	256,000	127,000	67,000	48,000	13,000	6,000	1,404,000	1,343,000	50,000	12,000	1,565,000	1,263,000	193,000	109,000
S&E fields	40,000	33,000	S	3,000	24,000	23,000	D	D	S	S	D	D	12,000	6,000	S	S
S&E-related fields	1,473,000	1,398,000	53,000	22,000	20,000	15,000	4,000	D	1,377,000	1,336,000	39,000	2,000	76,000	47,000	10,000	19,000
Non-S&E fields	1,524,000	1,222,000	201,000	101,000	24,000	10,000	9,000	5,000	23,000	S	11,000	S	1,477,000	1,210,000	181,000	86,000

\* = 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.