

TABLE 1-4
Employed college graduates, by level of highest degree, minor field of highest degree, and detailed employment sector: 2017
(Number)

Level and field of highest degree	Total	Business or industry				Education			Government		
		Total	For-profit business or industry	Nonprofit business or industry	Self-employed, not incorporated	Total	4-year educational institution ^a	2-year college or precollege educational institution	Total	Federal government	State or local government
All degrees	48,223,000	33,510,000	25,483,000	4,800,000	3,227,000	9,905,000	3,056,000	6,849,000	4,808,000	1,934,000	2,874,000
S&E fields	14,501,000	10,597,000	8,632,000	1,092,000	873,000	2,240,000	1,200,000	1,040,000	1,663,000	748,000	915,000
Biological, agricultural, and environmental life sciences	2,290,000	1,493,000	1,096,000	259,000	138,000	488,000	308,000	180,000	308,000	140,000	168,000
Agricultural and food sciences	286,000	217,000	155,000	25,000	37,000	34,000	21,000	13,000	35,000	18,000	16,000
Biological sciences	1,763,000	1,126,000	826,000	215,000	84,000	430,000	277,000	152,000	207,000	98,000	109,000
Environmental life sciences	241,000	150,000	114,000	20,000	16,000	25,000	10,000	15,000	66,000	24,000	42,000
Computer and mathematical sciences	2,567,000	2,029,000	1,822,000	110,000	97,000	311,000	150,000	161,000	227,000	119,000	107,000
Computer and information sciences	2,017,000	1,679,000	1,519,000	85,000	75,000	147,000	92,000	55,000	191,000	100,000	91,000
Mathematics and statistics	550,000	351,000	303,000	25,000	23,000	163,000	58,000	105,000	36,000	20,000	16,000
Physical and related sciences	814,000	522,000	440,000	36,000	45,000	200,000	134,000	66,000	92,000	45,000	47,000
Chemistry, except biochemistry	349,000	243,000	212,000	14,000	17,000	86,000	62,000	24,000	20,000	13,000	7,000
Earth, atmospheric, and ocean sciences	234,000	137,000	116,000	13,000	8,000	48,000	25,000	23,000	49,000	17,000	32,000
Physics and astronomy	202,000	120,000	95,000	9,000	17,000	59,000	45,000	14,000	23,000	15,000	8,000
Other physical sciences	29,000	21,000	17,000	S	S	7,000	S	5,000	S	D	D
Social and related sciences	5,336,000	3,657,000	2,623,000	591,000	444,000	1,002,000	418,000	584,000	676,000	257,000	419,000
Economics	870,000	711,000	590,000	30,000	90,000	67,000	35,000	31,000	93,000	49,000	44,000
Political and related sciences	994,000	725,000	561,000	116,000	48,000	112,000	62,000	50,000	158,000	84,000	74,000
Psychology	2,034,000	1,334,000	855,000	286,000	193,000	478,000	177,000	300,000	222,000	65,000	157,000
Sociology and anthropology	838,000	533,000	366,000	98,000	69,000	176,000	73,000	102,000	129,000	41,000	89,000
Other social sciences	600,000	355,000	251,000	60,000	43,000	171,000	71,000	100,000	75,000	19,000	56,000
Engineering	3,494,000	2,896,000	2,651,000	96,000	149,000	239,000	190,000	50,000	359,000	186,000	173,000
Aerospace, aeronautical, and astronautical engineering	127,000	96,000	87,000	6,000	S	14,000	7,000	S	18,000	12,000	S
Chemical engineering	220,000	188,000	171,000	12,000	5,000	21,000	19,000	3,000	11,000	7,000	3,000
Civil and architectural engineering	501,000	365,000	328,000	5,000	32,000	25,000	22,000	3,000	111,000	20,000	92,000
Electrical and computer engineering	1,264,000	1,106,000	1,015,000	45,000	45,000	67,000	56,000	10,000	92,000	62,000	29,000
Industrial engineering	214,000	193,000	179,000	5,000	9,000	13,000	S	9,000	8,000	6,000	2,000
Mechanical engineering	689,000	584,000	546,000	8,000	30,000	45,000	33,000	12,000	60,000	44,000	16,000

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(Number)

Level and field of highest degree	Total	Business or industry				Education			Government		
		Total	For-profit business or industry	Nonprofit business or industry	Self-employed, not incorporated	Total	4-year educational institution ^a	2-year college or precollege educational institution	Total	Federal government	State or local government
Other engineering	479,000	365,000	325,000	15,000	25,000	55,000	48,000	6,000	60,000	34,000	25,000
S&E-related fields	6,870,000	5,174,000	3,207,000	1,547,000	420,000	1,158,000	569,000	589,000	538,000	230,000	309,000
Health	5,572,000	4,314,000	2,484,000	1,485,000	344,000	803,000	504,000	299,000	455,000	196,000	259,000
Science and mathematics teacher education	394,000	81,000	64,000	5,000	12,000	305,000	38,000	267,000	7,000	S	6,000
Technology and technical fields	453,000	396,000	349,000	27,000	21,000	25,000	12,000	13,000	31,000	23,000	8,000
Other S&E-related fields	452,000	383,000	310,000	30,000	43,000	25,000	15,000	10,000	45,000	10,000	35,000
Non-S&E fields	26,852,000	17,739,000	13,644,000	2,160,000	1,935,000	6,507,000	1,287,000	5,220,000	2,606,000	956,000	1,650,000
Management and administration fields	9,501,000	7,883,000	6,715,000	571,000	597,000	720,000	394,000	326,000	899,000	410,000	488,000
Education, except science and math teacher education	5,157,000	1,260,000	777,000	287,000	196,000	3,751,000	199,000	3,552,000	146,000	39,000	107,000
Social service and related fields	1,364,000	994,000	389,000	481,000	124,000	189,000	74,000	115,000	181,000	41,000	140,000
Sales and marketing fields	1,324,000	1,224,000	1,084,000	64,000	77,000	64,000	17,000	48,000	35,000	23,000	S
Art and humanities fields	4,270,000	2,890,000	2,087,000	310,000	492,000	1,079,000	373,000	705,000	301,000	114,000	187,000
Other non-S&E fields	5,235,000	3,488,000	2,593,000	447,000	447,000	704,000	231,000	473,000	1,044,000	329,000	715,000
Bachelor's	30,131,000	22,630,000	17,766,000	2,812,000	2,053,000	4,547,000	1,191,000	3,355,000	2,954,000	1,066,000	1,888,000
S&E fields	10,241,000	7,895,000	6,468,000	764,000	663,000	1,181,000	496,000	685,000	1,165,000	474,000	691,000
Biological, agricultural, and environmental life sciences	1,631,000	1,168,000	860,000	191,000	117,000	237,000	115,000	122,000	226,000	92,000	134,000
Agricultural and food sciences	224,000	183,000	129,000	17,000	37,000	16,000	7,000	S	25,000	11,000	14,000
Biological sciences	1,229,000	869,000	640,000	164,000	65,000	205,000	105,000	101,000	155,000	65,000	90,000
Environmental life sciences	178,000	116,000	91,000	9,000	16,000	16,000	S	12,000	46,000	17,000	29,000
Computer and mathematical sciences	1,713,000	1,379,000	1,229,000	77,000	73,000	168,000	58,000	110,000	166,000	87,000	79,000
Computer and information sciences	1,352,000	1,124,000	1,010,000	58,000	57,000	85,000	45,000	40,000	142,000	77,000	65,000
Mathematics and statistics	361,000	254,000	219,000	19,000	16,000	82,000	13,000	70,000	24,000	10,000	14,000
Physical and related sciences	466,000	328,000	276,000	24,000	28,000	88,000	47,000	41,000	51,000	13,000	38,000
Chemistry, except biochemistry	206,000	153,000	133,000	S	10,000	44,000	30,000	13,000	9,000	4,000	6,000
Earth, atmospheric, and ocean sciences	149,000	96,000	81,000	8,000	7,000	20,000	6,000	13,000	34,000	6,000	28,000

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(Number)

Level and field of highest degree	Total	Business or industry				Education			Government		
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Physics and astronomy	85,000	59,000	46,000	5,000	S	18,000	9,000	10,000	8,000	4,000	S
Other physical sciences	26,000	19,000	16,000	D	D	6,000	S	S	D	D	D
Social and related sciences	4,044,000	2,990,000	2,244,000	409,000	337,000	568,000	190,000	378,000	486,000	171,000	315,000
Economics	751,000	637,000	541,000	19,000	77,000	37,000	10,000	27,000	78,000	39,000	38,000
Political and related sciences	780,000	613,000	490,000	80,000	44,000	65,000	32,000	33,000	102,000	43,000	58,000
Psychology	1,372,000	961,000	661,000	187,000	113,000	257,000	98,000	159,000	154,000	46,000	108,000
Sociology and anthropology	722,000	497,000	345,000	88,000	64,000	119,000	30,000	90,000	106,000	34,000	72,000
Other social sciences	419,000	282,000	207,000	36,000	40,000	90,000	21,000	69,000	47,000	9,000	38,000
Engineering	2,387,000	2,031,000	1,860,000	63,000	108,000	120,000	86,000	34,000	236,000	110,000	126,000
Aerospace, aeronautical, and astronautical engineering	84,000	64,000	62,000	S	D	11,000	4,000	S	9,000	7,000	D
Chemical engineering	167,000	149,000	133,000	11,000	5,000	11,000	9,000	S	7,000	4,000	2,000
Civil and architectural engineering	362,000	267,000	242,000	4,000	22,000	10,000	9,000	S	85,000	14,000	70,000
Electrical and computer engineering	816,000	728,000	665,000	34,000	29,000	28,000	24,000	4,000	60,000	35,000	25,000
Industrial engineering	141,000	127,000	119,000	2,000	6,000	9,000	S	7,000	5,000	5,000	*
Mechanical engineering	541,000	464,000	435,000	4,000	25,000	28,000	17,000	11,000	49,000	35,000	14,000
Other engineering	276,000	231,000	204,000	7,000	21,000	24,000	20,000	4,000	21,000	9,000	13,000
S&E-related fields	3,390,000	2,686,000	1,662,000	831,000	193,000	432,000	175,000	257,000	273,000	96,000	177,000
Health	2,555,000	2,065,000	1,137,000	786,000	142,000	274,000	148,000	126,000	215,000	67,000	148,000
Science and mathematics teacher education	179,000	48,000	43,000	S	S	125,000	13,000	112,000	5,000	D	D
Technology and technical fields	360,000	315,000	276,000	23,000	17,000	17,000	6,000	12,000	27,000	20,000	7,000
Other S&E-related fields	297,000	257,000	206,000	20,000	30,000	15,000	9,000	7,000	25,000	8,000	17,000
Non-S&E fields	16,499,000	12,049,000	9,636,000	1,216,000	1,196,000	2,934,000	520,000	2,414,000	1,516,000	496,000	1,021,000
Management and administration fields	6,509,000	5,409,000	4,599,000	380,000	431,000	483,000	259,000	224,000	617,000	256,000	361,000
Education, except science and math teacher education	2,223,000	843,000	546,000	191,000	106,000	1,300,000	18,000	1,282,000	81,000	27,000	54,000
Social service and related fields	531,000	401,000	162,000	164,000	75,000	41,000	11,000	30,000	89,000	10,000	79,000
Sales and marketing fields	1,063,000	998,000	887,000	49,000	61,000	40,000	D	39,000	25,000	23,000	S

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Art and humanities fields	3,356,000	2,417,000	1,843,000	205,000	369,000	674,000	154,000	520,000	264,000	107,000	158,000
Other non-S&E fields	2,816,000	1,981,000	1,600,000	227,000	155,000	395,000	77,000	319,000	439,000	73,000	366,000
Master's	13,260,000	7,763,000	5,671,000	1,427,000	664,000	4,186,000	919,000	3,268,000	1,311,000	571,000	740,000
S&E fields	3,138,000	2,159,000	1,751,000	261,000	147,000	583,000	275,000	308,000	397,000	197,000	200,000
Biological, agricultural, and environmental life sciences	351,000	194,000	138,000	46,000	10,000	106,000	60,000	46,000	51,000	23,000	28,000
Agricultural and food sciences	40,000	23,000	16,000	S	*	9,000	6,000	3,000	8,000	S	2,000
Biological sciences	254,000	138,000	100,000	29,000	9,000	91,000	50,000	41,000	24,000	11,000	13,000
Environmental life sciences	57,000	33,000	22,000	10,000	S	5,000	3,000	D	19,000	6,000	12,000
Computer and mathematical sciences	754,000	599,000	546,000	30,000	24,000	99,000	50,000	49,000	56,000	28,000	28,000
Computer and information sciences	613,000	520,000	476,000	26,000	18,000	46,000	31,000	15,000	48,000	22,000	26,000
Mathematics and statistics	141,000	80,000	69,000	4,000	6,000	53,000	19,000	34,000	8,000	6,000	S
Physical and related sciences	179,000	110,000	94,000	6,000	11,000	49,000	29,000	20,000	20,000	14,000	7,000
Chemistry, except biochemistry	64,000	44,000	39,000	1,000	S	16,000	7,000	9,000	4,000	3,000	1,000
Earth, atmospheric, and ocean sciences	63,000	34,000	31,000	S	1,000	17,000	9,000	8,000	12,000	8,000	4,000
Physics and astronomy	50,000	31,000	23,000	D	5,000	15,000	13,000	3,000	4,000	S	D
Other physical sciences	2,000	1,000	*	D	D	1,000	D	*	D	D	D
Social and related sciences	954,000	523,000	299,000	154,000	70,000	271,000	91,000	179,000	161,000	68,000	92,000
Economics	81,000	57,000	35,000	10,000	12,000	11,000	8,000	3,000	13,000	8,000	5,000
Political and related sciences	185,000	103,000	65,000	34,000	4,000	27,000	12,000	15,000	55,000	40,000	15,000
Psychology	474,000	271,000	144,000	80,000	47,000	155,000	32,000	123,000	48,000	8,000	40,000
Sociology and anthropology	74,000	28,000	17,000	7,000	S	26,000	16,000	10,000	21,000	4,000	17,000
Other social sciences	140,000	64,000	38,000	23,000	3,000	51,000	23,000	28,000	25,000	10,000	15,000
Engineering	899,000	733,000	675,000	25,000	32,000	59,000	45,000	14,000	108,000	63,000	45,000
Aerospace, aeronautical, and astronautical engineering	37,000	27,000	23,000	S	D	1,000	1,000	D	8,000	4,000	D
Chemical engineering	33,000	25,000	24,000	*	*	S	S	S	S	D	*
Civil and architectural engineering	121,000	88,000	79,000	D	9,000	7,000	5,000	S	26,000	5,000	21,000

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Electrical and computer engineering	382,000	327,000	303,000	9,000	14,000	25,000	19,000	S	30,000	25,000	5,000
Industrial engineering	65,000	59,000	54,000	3,000	S	3,000	S	S	3,000	1,000	D
Mechanical engineering	117,000	102,000	96,000	3,000	3,000	6,000	4,000	S	9,000	7,000	2,000
Other engineering	145,000	105,000	97,000	6,000	3,000	9,000	9,000	1,000	31,000	20,000	11,000
S&E-related fields	1,788,000	1,158,000	699,000	381,000	78,000	458,000	148,000	310,000	172,000	71,000	101,000
Health	1,349,000	927,000	508,000	365,000	54,000	275,000	122,000	154,000	147,000	67,000	80,000
Science and mathematics teacher education	203,000	30,000	20,000	3,000	S	170,000	S	153,000	2,000	D	2,000
Technology and technical fields	84,000	76,000	68,000	S	S	5,000	4,000	S	3,000	2,000	2,000
Other S&E-related fields	151,000	124,000	103,000	9,000	12,000	7,000	4,000	S	20,000	2,000	18,000
Non-S&E fields	8,334,000	4,446,000	3,221,000	786,000	439,000	3,146,000	496,000	2,650,000	742,000	303,000	439,000
Management and administration fields	2,953,000	2,461,000	2,107,000	191,000	163,000	211,000	110,000	101,000	281,000	153,000	128,000
Education, except science and math teacher education	2,787,000	388,000	222,000	81,000	84,000	2,343,000	139,000	2,204,000	57,000	13,000	44,000
Social service and related fields	733,000	533,000	210,000	283,000	40,000	109,000	33,000	76,000	91,000	30,000	61,000
Sales and marketing fields	252,000	227,000	196,000	S	16,000	15,000	S	S	S	D	S
Art and humanities fields	765,000	442,000	237,000	98,000	106,000	290,000	124,000	166,000	33,000	6,000	28,000
Other non-S&E fields	843,000	396,000	249,000	118,000	30,000	177,000	83,000	94,000	271,000	102,000	169,000
Doctorate	1,796,000	805,000	536,000	163,000	107,000	863,000	717,000	147,000	128,000	89,000	39,000
S&E fields	1,082,000	517,000	399,000	62,000	56,000	468,000	424,000	43,000	97,000	74,000	23,000
Biological, agricultural, and environmental life sciences	308,000	131,000	98,000	22,000	10,000	145,000	134,000	12,000	31,000	24,000	7,000
Agricultural and food sciences	21,000	11,000	10,000	*	D	9,000	8,000	D	2,000	2,000	D
Biological sciences	279,000	118,000	87,000	22,000	10,000	133,000	122,000	11,000	28,000	22,000	6,000
Environmental life sciences	7,000	2,000	1,000	D	D	4,000	4,000	D	1,000	D	S
Computer and mathematical sciences	100,000	51,000	48,000	3,000	D	44,000	42,000	2,000	5,000	4,000	D
Computer and information sciences	52,000	35,000	33,000	S	D	16,000	16,000	D	S	D	D
Mathematics and statistics	48,000	17,000	15,000	2,000	D	28,000	26,000	2,000	4,000	4,000	D

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Physical and related sciences	168,000	84,000	71,000	7,000	7,000	63,000	58,000	5,000	21,000	18,000	3,000
Chemistry, except biochemistry	79,000	45,000	40,000	2,000	3,000	26,000	24,000	2,000	7,000	7,000	D
Earth, atmospheric, and ocean sciences	22,000	7,000	5,000	2,000	D	12,000	10,000	D	3,000	3,000	D
Physics and astronomy	67,000	31,000	25,000	2,000	3,000	26,000	24,000	2,000	11,000	9,000	S
Other physical sciences	S	D	D	D	D	D	D	D	D	D	D
Social and related sciences	298,000	119,000	66,000	23,000	29,000	155,000	132,000	23,000	25,000	15,000	10,000
Economics	38,000	17,000	14,000	2,000	S	19,000	18,000	S	3,000	2,000	D
Political and related sciences	29,000	8,000	5,000	2,000	D	19,000	18,000	2,000	2,000	S	D
Psychology	148,000	77,000	36,000	15,000	25,000	57,000	42,000	15,000	15,000	8,000	6,000
Sociology and anthropology	42,000	8,000	4,000	S	S	30,000	28,000	S	3,000	3,000	D
Other social sciences	41,000	8,000	6,000	S	D	30,000	27,000	3,000	S	*	D
Engineering	208,000	132,000	116,000	7,000	9,000	60,000	58,000	S	16,000	12,000	3,000
Aerospace, aeronautical, and astronautical engineering	6,000	4,000	2,000	D	D	2,000	2,000	D	S	S	D
Chemical engineering	20,000	14,000	14,000	D	D	4,000	3,000	D	2,000	D	D
Civil and architectural engineering	18,000	9,000	6,000	D	S	8,000	8,000	D	1,000	D	1,000
Electrical and computer engineering	66,000	51,000	46,000	2,000	2,000	13,000	13,000	D	2,000	2,000	D
Industrial engineering	8,000	8,000	7,000	D	D	1,000	1,000	D	D	D	D
Mechanical engineering	30,000	17,000	16,000	D	D	11,000	11,000	D	2,000	1,000	D
Other engineering	58,000	29,000	25,000	3,000	1,000	22,000	20,000	S	8,000	6,000	S
S&E-related fields	219,000	132,000	76,000	44,000	13,000	72,000	64,000	7,000	15,000	10,000	S
Health	195,000	123,000	69,000	42,000	12,000	57,000	53,000	5,000	14,000	9,000	S
Science and mathematics teacher education	12,000	S	D	D	D	10,000	8,000	2,000	D	D	D
Technology and technical fields	9,000	5,000	5,000	D	D	3,000	2,000	D	D	D	D
Other S&E-related fields	3,000	2,000	S	*	D	2,000	2,000	D	D	D	D
Non-S&E fields	495,000	156,000	61,000	57,000	38,000	324,000	228,000	96,000	15,000	4,000	11,000
Management and administration fields	39,000	13,000	8,000	D	S	25,000	24,000	1,000	S	D	D

TABLE 1-4
Employed college graduates, by level of highest degree, minor field of highest degree, and detailed employment sector: 2017
(Number)

Level and field of highest degree	Total	Business or industry				Education			Government		
		Total	For-profit business or industry	Nonprofit business or industry	Self-employed, not incorporated	Total	4-year educational institution ^a	2-year college or precollege educational institution	Total	Federal government	State or local government
Education, except science and math teacher education	146,000	29,000	9,000	14,000	6,000	109,000	43,000	66,000	S	D	S
Social service and related fields	100,000	61,000	17,000	34,000	9,000	38,000	30,000	9,000	D	D	D
Sales and marketing fields	9,000	D	D	D	D	9,000	9,000	D	D	D	D
Art and humanities fields	148,000	30,000	7,000	S	17,000	114,000	96,000	19,000	4,000	S	D
Other non-S&E fields	53,000	23,000	19,000	S	S	29,000	28,000	D	S	D	D
Professional	3,036,000	2,312,000	1,510,000	398,000	404,000	309,000	230,000	79,000	415,000	208,000	207,000
S&E fields	40,000	26,000	14,000	5,000	7,000	9,000	5,000	S	5,000	3,000	2,000
S&E-related fields	1,473,000	1,198,000	771,000	292,000	136,000	197,000	181,000	15,000	78,000	52,000	26,000
Non-S&E fields	1,524,000	1,088,000	726,000	101,000	261,000	103,000	43,000	60,000	333,000	153,000	179,000

* = 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.

^a Includes medical schools and university-affiliated research institutes.

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.