

TABLE 1-4

**Employment sector of employed college graduates, by level of highest degree and minor field of highest degree: 2023**

(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 <sup>a</sup>	2-year college or precollege educational institution	Total	Federal government <sup>b</sup>	State or local government
All degrees	56,061,000	39,308,000	30,562,000	5,563,000	3,182,000	10,688,000	3,569,000	7,119,000	6,065,000	2,308,000	3,757,000
S&E fields	17,561,000	13,136,000	11,027,000	1,233,000	876,000	2,333,000	1,346,000	987,000	2,092,000	924,000	1,168,000
Biological, agricultural, and environmental life sciences	2,732,000	1,853,000	1,374,000	289,000	189,000	528,000	377,000	151,000	352,000	137,000	214,000
Agricultural and food sciences	372,000	291,000	209,000	13,000	69,000	45,000	22,000	23,000	35,000	24,000	11,000
Biological sciences	2,022,000	1,326,000	1,006,000	234,000	86,000	455,000	338,000	117,000	241,000	83,000	159,000
Environmental life sciences	338,000	235,000	160,000	42,000	34,000	28,000	17,000	S	75,000	31,000	44,000
Computer and mathematical sciences	3,557,000	2,862,000	2,627,000	141,000	94,000	369,000	193,000	175,000	326,000	167,000	159,000
Computer and information sciences	2,775,000	2,335,000	2,159,000	116,000	60,000	188,000	111,000	78,000	251,000	129,000	123,000
Mathematics and statistics	782,000	526,000	468,000	25,000	34,000	180,000	83,000	98,000	75,000	38,000	37,000
Physical and related sciences	954,000	622,000	526,000	56,000	39,000	207,000	155,000	53,000	126,000	70,000	55,000
Chemistry, except biochemistry	371,000	257,000	226,000	20,000	12,000	78,000	60,000	18,000	36,000	15,000	20,000
Earth, atmospheric, and ocean sciences	301,000	199,000	152,000	24,000	23,000	44,000	37,000	7,000	58,000	32,000	26,000
Physics and astronomy	257,000	151,000	138,000	9,000	5,000	83,000	57,000	26,000	23,000	19,000	4,000
Other physical sciences	26,000	15,000	10,000	S	D	2,000	1,000	1,000	9,000	4,000	5,000
Social and related sciences	6,043,000	4,169,000	3,119,000	631,000	418,000	986,000	431,000	555,000	888,000	325,000	563,000
Economics	972,000	823,000	730,000	43,000	50,000	74,000	43,000	30,000	75,000	38,000	37,000
Political and related sciences	1,025,000	743,000	576,000	113,000	54,000	94,000	45,000	50,000	187,000	125,000	62,000
Psychology	2,502,000	1,634,000	1,105,000	319,000	211,000	494,000	187,000	307,000	375,000	91,000	283,000
Sociology and anthropology	945,000	592,000	457,000	77,000	58,000	185,000	88,000	97,000	168,000	45,000	122,000
Other social sciences	599,000	376,000	251,000	80,000	45,000	140,000	68,000	71,000	84,000	25,000	59,000
Engineering	4,274,000	3,631,000	3,380,000	116,000	135,000	243,000	190,000	53,000	400,000	225,000	175,000
Aerospace, aeronautical, and astronautical engineering	175,000	121,000	112,000	4,000	5,000	9,000	8,000	S	46,000	S	S
Chemical engineering	277,000	243,000	226,000	10,000	7,000	19,000	15,000	S	14,000	9,000	5,000
Civil and architectural engineering	554,000	418,000	394,000	6,000	19,000	26,000	23,000	3,000	109,000	30,000	79,000
Electrical and computer engineering	1,459,000	1,300,000	1,210,000	59,000	31,000	71,000	57,000	14,000	88,000	61,000	26,000
Industrial engineering	274,000	246,000	228,000	6,000	12,000	12,000	5,000	6,000	16,000	9,000	S
Mechanical engineering	917,000	804,000	758,000	13,000	33,000	42,000	32,000	9,000	72,000	44,000	28,000
Other engineering	619,000	499,000	454,000	19,000	27,000	65,000	50,000	15,000	55,000	30,000	26,000
S&E-related fields	8,562,000	6,268,000	4,011,000	1,851,000	407,000	1,594,000	865,000	729,000	700,000	266,000	433,000
Health	6,868,000	5,119,000	3,039,000	1,793,000	287,000	1,148,000	803,000	345,000	601,000	246,000	355,000
Science and mathematics teacher education	545,000	166,000	124,000	15,000	27,000	371,000	25,000	346,000	8,000	S	S
Technology and technical fields	561,000	488,000	432,000	13,000	S	35,000	12,000	24,000	38,000	12,000	26,000
Other S&E-related fields	588,000	494,000	415,000	29,000	50,000	40,000	26,000	15,000	53,000	6,000	47,000
Non-S&E fields	29,938,000	19,904,000	15,525,000	2,480,000	1,900,000	6,760,000	1,357,000	5,403,000	3,274,000	1,118,000	2,156,000
Management and administration fields	10,130,000	8,439,000	7,133,000	757,000	548,000	627,000	302,000	325,000	1,063,000	464,000	599,000

TABLE 1-4

**Employment sector of employed college graduates, by level of highest degree and minor field of highest degree: 2023**

(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 <sup>a</sup>	2-year college or precollege educational institution	Total	Federal government <sup>b</sup>	State or local government
Education, except science and math teacher education	5,245,000	1,189,000	764,000	300,000	125,000	3,847,000	249,000	3,599,000	209,000	51,000	159,000
Social service and related fields	1,520,000	1,001,000	454,000	445,000	101,000	287,000	88,000	199,000	232,000	32,000	200,000
Sales and marketing fields	1,451,000	1,286,000	1,166,000	55,000	64,000	56,000	18,000	38,000	109,000	S	49,000
Art and humanities fields	4,944,000	3,470,000	2,474,000	448,000	549,000	1,218,000	365,000	853,000	255,000	103,000	153,000
Other non-S&E fields	6,648,000	4,519,000	3,533,000	473,000	513,000	725,000	335,000	390,000	1,404,000	409,000	995,000
Bachelor's	34,311,000	25,904,000	20,811,000	3,023,000	2,069,000	4,726,000	1,309,000	3,417,000	3,680,000	1,235,000	2,446,000
S&E fields	12,176,000	9,572,000	8,097,000	836,000	639,000	1,156,000	507,000	649,000	1,448,000	551,000	898,000
Biological, agricultural, and environmental life sciences	1,902,000	1,407,000	1,035,000	213,000	159,000	257,000	151,000	107,000	238,000	78,000	160,000
Agricultural and food sciences	300,000	247,000	172,000	8,000	67,000	29,000	8,000	21,000	24,000	18,000	6,000
Biological sciences	1,359,000	978,000	741,000	176,000	60,000	212,000	135,000	77,000	169,000	43,000	126,000
Environmental life sciences	243,000	182,000	121,000	28,000	32,000	16,000	7,000	S	45,000	18,000	27,000
Computer and mathematical sciences	2,428,000	2,000,000	1,824,000	98,000	78,000	196,000	81,000	115,000	232,000	107,000	125,000
Computer and information sciences	1,895,000	1,611,000	1,485,000	79,000	47,000	103,000	45,000	58,000	181,000	82,000	99,000
Mathematics and statistics	533,000	389,000	340,000	19,000	31,000	92,000	36,000	57,000	51,000	25,000	S
Physical and related sciences	541,000	382,000	314,000	39,000	29,000	84,000	50,000	33,000	75,000	32,000	43,000
Chemistry, except biochemistry	209,000	150,000	130,000	13,000	7,000	34,000	27,000	8,000	24,000	7,000	17,000
Earth, atmospheric, and ocean sciences	196,000	148,000	110,000	S	S	11,000	7,000	S	38,000	19,000	19,000
Physics and astronomy	121,000	74,000	67,000	4,000	3,000	38,000	16,000	21,000	9,000	7,000	3,000
Other physical sciences	15,000	10,000	8,000	D	D	*	*	D	S	D	S
Social and related sciences	4,403,000	3,234,000	2,558,000	408,000	268,000	532,000	173,000	359,000	637,000	195,000	442,000
Economics	821,000	724,000	651,000	30,000	43,000	44,000	16,000	28,000	54,000	27,000	27,000
Political and related sciences	740,000	590,000	471,000	76,000	43,000	51,000	17,000	34,000	99,000	60,000	39,000
Psychology	1,619,000	1,107,000	817,000	197,000	93,000	239,000	74,000	165,000	274,000	55,000	219,000
Sociology and anthropology	811,000	544,000	427,000	64,000	53,000	121,000	40,000	81,000	146,000	41,000	105,000
Other social sciences	411,000	270,000	192,000	41,000	37,000	77,000	26,000	51,000	64,000	13,000	51,000
Engineering	2,902,000	2,549,000	2,365,000	79,000	105,000	87,000	53,000	35,000	266,000	138,000	128,000
Aerospace, aeronautical, and astronautical engineering	115,000	81,000	79,000	D	D	1,000	1,000	D	S	S	D
Chemical engineering	210,000	191,000	178,000	9,000	4,000	7,000	4,000	S	12,000	8,000	5,000
Civil and architectural engineering	393,000	306,000	287,000	3,000	16,000	9,000	S	3,000	78,000	21,000	57,000
Electrical and computer engineering	953,000	866,000	797,000	45,000	25,000	31,000	22,000	8,000	56,000	35,000	22,000
Industrial engineering	192,000	180,000	165,000	3,000	12,000	6,000	D	6,000	6,000	4,000	S
Mechanical engineering	699,000	630,000	592,000	9,000	29,000	13,000	5,000	8,000	56,000	32,000	24,000
Other engineering	340,000	295,000	269,000	9,000	17,000	20,000	13,000	S	25,000	9,000	16,000
S&E-related fields	4,028,000	3,094,000	2,057,000	871,000	165,000	613,000	297,000	316,000	322,000	96,000	225,000
Health	2,971,000	2,294,000	1,383,000	841,000	70,000	415,000	277,000	138,000	262,000	86,000	176,000

TABLE 1-4

**Employment sector of employed college graduates, by level of highest degree and minor field of highest degree: 2023**

(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 <sup>a</sup>	2-year college or precollege educational institution	Total	Federal government <sup>b</sup>	State or local government
Science and mathematics teacher education	253,000	101,000	79,000	S	S	S	D	S	S	D	D
Technology and technical fields	436,000	379,000	329,000	10,000	S	26,000	S	22,000	31,000	8,000	23,000
Other S&E-related fields	369,000	320,000	266,000	13,000	41,000	22,000	12,000	11,000	26,000	2,000	24,000
Non-S&E fields	18,107,000	13,238,000	10,657,000	1,316,000	1,265,000	2,958,000	506,000	2,452,000	1,910,000	588,000	1,323,000
Management and administration fields	6,586,000	5,523,000	4,703,000	464,000	356,000	383,000	158,000	226,000	681,000	262,000	418,000
Education, except science and math teacher education	2,011,000	592,000	426,000	107,000	58,000	1,304,000	35,000	1,268,000	115,000	22,000	93,000
Social service and related fields	543,000	347,000	211,000	108,000	27,000	91,000	24,000	68,000	105,000	S	100,000
Sales and marketing fields	1,185,000	1,054,000	954,000	46,000	54,000	34,000	D	30,000	97,000	S	45,000
Art and humanities fields	4,015,000	3,058,000	2,260,000	316,000	482,000	742,000	146,000	595,000	215,000	77,000	138,000
Other non-S&E fields	3,767,000	2,664,000	2,102,000	274,000	288,000	404,000	139,000	266,000	698,000	170,000	529,000
Master's	15,719,000	9,564,000	7,080,000	1,770,000	715,000	4,433,000	1,034,000	3,399,000	1,721,000	722,000	999,000
S&E fields	3,930,000	2,795,000	2,328,000	300,000	167,000	623,000	336,000	287,000	512,000	272,000	240,000
Biological, agricultural, and environmental life sciences	417,000	245,000	176,000	48,000	21,000	96,000	62,000	34,000	76,000	30,000	46,000
Agricultural and food sciences	46,000	28,000	22,000	S	S	8,000	7,000	1,000	10,000	5,000	S
Biological sciences	287,000	167,000	119,000	31,000	18,000	82,000	51,000	31,000	38,000	13,000	24,000
Environmental life sciences	85,000	50,000	36,000	13,000	S	6,000	4,000	S	28,000	12,000	16,000
Computer and mathematical sciences	985,000	778,000	723,000	40,000	15,000	118,000	59,000	59,000	89,000	56,000	34,000
Computer and information sciences	795,000	669,000	621,000	36,000	12,000	59,000	40,000	19,000	67,000	44,000	23,000
Mathematics and statistics	190,000	110,000	103,000	4,000	S	58,000	19,000	39,000	22,000	12,000	10,000
Physical and related sciences	194,000	118,000	107,000	6,000	5,000	50,000	36,000	14,000	26,000	16,000	10,000
Chemistry, except biochemistry	65,000	46,000	42,000	S	S	15,000	9,000	6,000	4,000	2,000	S
Earth, atmospheric, and ocean sciences	68,000	39,000	33,000	S	4,000	15,000	12,000	S	13,000	7,000	6,000
Physics and astronomy	55,000	32,000	30,000	1,000	D	19,000	15,000	4,000	4,000	4,000	D
Other physical sciences	7,000	2,000	2,000	D	D	1,000	D	1,000	4,000	D	D
Social and related sciences	1,262,000	772,000	486,000	180,000	106,000	281,000	116,000	165,000	210,000	100,000	109,000
Economics	115,000	85,000	67,000	11,000	7,000	13,000	11,000	2,000	17,000	8,000	S
Political and related sciences	255,000	145,000	102,000	32,000	10,000	27,000	13,000	14,000	83,000	62,000	21,000
Psychology	655,000	413,000	238,000	98,000	77,000	171,000	51,000	120,000	71,000	15,000	56,000
Sociology and anthropology	94,000	38,000	25,000	8,000	S	35,000	24,000	12,000	21,000	4,000	17,000
Other social sciences	143,000	92,000	54,000	31,000	7,000	34,000	16,000	17,000	18,000	10,000	7,000
Engineering	1,072,000	881,000	835,000	26,000	20,000	79,000	63,000	16,000	112,000	70,000	42,000
Aerospace, aeronautical, and astronautical engineering	48,000	32,000	27,000	3,000	D	S	S	D	12,000	11,000	D
Chemical engineering	35,000	29,000	27,000	S	S	5,000	3,000	D	S	D	D
Civil and architectural engineering	134,000	102,000	97,000	S	3,000	5,000	5,000	D	27,000	8,000	19,000
Electrical and computer engineering	413,000	363,000	348,000	10,000	4,000	21,000	16,000	5,000	29,000	24,000	5,000

TABLE 1-4

## Employment sector of employed college graduates, by level of highest degree and minor field of highest degree: 2023

(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 <sup>a</sup>	2-year college or precollege educational institution	Total	Federal government <sup>b</sup>	State or local government
Industrial engineering	68,000	57,000	55,000	2,000	1,000	3,000	2,000	D	9,000	S	D
Mechanical engineering	174,000	148,000	143,000	3,000	2,000	15,000	14,000	D	12,000	8,000	3,000
Other engineering	200,000	151,000	138,000	5,000	8,000	27,000	20,000	7,000	23,000	15,000	8,000
S&E-related fields	2,334,000	1,533,000	959,000	471,000	103,000	562,000	182,000	380,000	239,000	85,000	154,000
Health	1,727,000	1,195,000	670,000	446,000	79,000	332,000	154,000	178,000	201,000	75,000	126,000
Science and mathematics teacher education	279,000	64,000	45,000	S	13,000	209,000	10,000	199,000	S	S	S
Technology and technical fields	116,000	103,000	97,000	3,000	S	7,000	5,000	2,000	6,000	S	S
Other S&E-related fields	212,000	171,000	146,000	16,000	8,000	14,000	12,000	S	27,000	4,000	23,000
Non-S&E fields	9,455,000	5,237,000	3,794,000	999,000	444,000	3,248,000	516,000	2,732,000	970,000	365,000	605,000
Management and administration fields	3,474,000	2,888,000	2,413,000	287,000	188,000	207,000	110,000	97,000	379,000	199,000	179,000
Education, except science and math teacher education	2,964,000	550,000	320,000	166,000	64,000	2,328,000	147,000	2,180,000	86,000	26,000	60,000
Social service and related fields	884,000	605,000	234,000	305,000	66,000	157,000	31,000	126,000	122,000	21,000	100,000
Sales and marketing fields	260,000	230,000	212,000	8,000	11,000	18,000	S	9,000	S	D	S
Art and humanities fields	739,000	374,000	194,000	119,000	61,000	330,000	107,000	222,000	36,000	22,000	14,000
Other non-S&E fields	1,134,000	590,000	420,000	115,000	54,000	209,000	111,000	98,000	336,000	88,000	248,000
Doctorate	2,488,000	1,153,000	811,000	244,000	99,000	1,146,000	886,000	260,000	189,000	127,000	62,000
S&E fields	1,393,000	730,000	584,000	89,000	57,000	538,000	497,000	41,000	125,000	98,000	27,000
Biological, agricultural, and environmental life sciences	412,000	201,000	163,000	28,000	9,000	174,000	164,000	10,000	38,000	29,000	9,000
Agricultural and food sciences	26,000	17,000	15,000	D	S	8,000	7,000	S	2,000	1,000	D
Biological sciences	376,000	181,000	146,000	27,000	8,000	161,000	152,000	9,000	34,000	26,000	8,000
Environmental life sciences	10,000	3,000	3,000	D	D	5,000	5,000	D	2,000	S	D
Computer and mathematical sciences	143,000	83,000	79,000	2,000	2,000	55,000	54,000	2,000	5,000	4,000	S
Computer and information sciences	84,000	56,000	53,000	1,000	S	26,000	26,000	D	3,000	S	D
Mathematics and statistics	59,000	28,000	26,000	1,000	D	30,000	28,000	2,000	2,000	2,000	D
Physical and related sciences	219,000	121,000	105,000	12,000	4,000	74,000	69,000	5,000	24,000	22,000	3,000
Chemistry, except biochemistry	97,000	62,000	54,000	4,000	S	28,000	25,000	4,000	7,000	7,000	S
Earth, atmospheric, and ocean sciences	37,000	11,000	9,000	S	D	18,000	18,000	D	7,000	7,000	S
Physics and astronomy	81,000	45,000	40,000	4,000	S	27,000	26,000	S	9,000	8,000	S
Other physical sciences	4,000	3,000	1,000	D	D	S	S	D	D	D	D
Social and related sciences	317,000	124,000	57,000	35,000	32,000	157,000	137,000	21,000	36,000	26,000	10,000
Economics	36,000	15,000	13,000	1,000	1,000	17,000	16,000	1,000	5,000	3,000	1,000
Political and related sciences	30,000	9,000	2,000	5,000	D	16,000	14,000	2,000	5,000	3,000	S
Psychology	166,000	76,000	32,000	15,000	28,000	67,000	56,000	11,000	23,000	18,000	6,000
Sociology and anthropology	40,000	11,000	5,000	5,000	1,000	28,000	25,000	S	1,000	1,000	D
Other social sciences	45,000	14,000	5,000	8,000	D	29,000	26,000	3,000	2,000	S	D

TABLE 1-4

**Employment sector of employed college graduates, by level of highest degree and minor field of highest degree: 2023**

(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 <sup>a</sup>	2-year college or precollege educational institution	Total	Federal government <sup>b</sup>	State or local government
Engineering	300,000	201,000	180,000	11,000	10,000	77,000	74,000	3,000	22,000	17,000	6,000
Aerospace, aeronautical, and astronautical engineering	13,000	7,000	6,000	D	D	4,000	3,000	D	2,000	2,000	D
Chemical engineering	32,000	23,000	21,000	D	S	7,000	7,000	D	S	D	D
Civil and architectural engineering	27,000	11,000	11,000	D	D	12,000	12,000	D	4,000	1,000	3,000
Electrical and computer engineering	92,000	71,000	65,000	4,000	S	19,000	19,000	D	2,000	2,000	*
Industrial engineering	14,000	9,000	8,000	D	D	3,000	3,000	D	1,000	D	D
Mechanical engineering	44,000	26,000	23,000	D	D	14,000	13,000	*	4,000	4,000	D
Other engineering	79,000	53,000	46,000	4,000	2,000	18,000	17,000	S	8,000	6,000	S
S&E-related fields	384,000	239,000	151,000	69,000	20,000	113,000	92,000	21,000	31,000	12,000	18,000
Health	354,000	229,000	142,000	67,000	20,000	95,000	77,000	17,000	30,000	12,000	17,000
Science and mathematics teacher education	14,000	D	D	D	D	12,000	10,000	S	D	D	D
Technology and technical fields	9,000	6,000	6,000	D	D	3,000	3,000	D	D	D	D
Other S&E-related fields	7,000	3,000	S	D	D	4,000	2,000	D	D	D	D
Non-S&E fields	712,000	184,000	76,000	86,000	21,000	495,000	296,000	199,000	33,000	17,000	16,000
Management and administration fields	69,000	28,000	17,000	S	D	37,000	35,000	2,000	4,000	S	D
Education, except science and math teacher education	271,000	47,000	18,000	27,000	2,000	216,000	66,000	150,000	8,000	2,000	S
Social service and related fields	93,000	49,000	8,000	32,000	8,000	38,000	33,000	5,000	S	D	D
Sales and marketing fields	7,000	D	D	D	D	S	S	D	D	D	D
Art and humanities fields	190,000	38,000	20,000	13,000	6,000	147,000	111,000	35,000	S	D	D
Other non-S&E fields	82,000	20,000	13,000	6,000	D	53,000	46,000	S	10,000	3,000	S
Professional	3,543,000	2,686,000	1,860,000	526,000	300,000	382,000	340,000	42,000	474,000	224,000	250,000
S&E fields	62,000	39,000	18,000	8,000	13,000	17,000	6,000	S	6,000	3,000	3,000
S&E-related fields	1,816,000	1,402,000	844,000	440,000	118,000	306,000	295,000	11,000	108,000	73,000	35,000
Non-S&E fields	1,665,000	1,246,000	998,000	79,000	169,000	59,000	39,000	20,000	360,000	148,000	212,000

\* = 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> Four-year educational institution includes medical schools and university-affiliated research institutes.

<sup>b</sup> Federal government includes civilian and military.

**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.