

TABLE 5-4

Employed college graduates, by nativity, level of highest degree, major occupation, and employment sector: 2019

(Number)

Nativity, level of highest degree, and occupation	Total	Business or industry	4-year educational institution ^a	2-year college or precollege educational institution	Government ^b
All college graduates, all degrees, all occupations	50,524,000	35,125,000	3,225,000	7,110,000	5,064,000
S&E occupations	7,466,000	5,444,000	1,013,000	211,000	798,000
Biological, agricultural, and other life scientists	698,000	302,000	253,000	23,000	120,000
Computer and mathematical scientists	3,774,000	3,147,000	256,000	102,000	269,000
Physical and related scientists	409,000	189,000	127,000	9,000	85,000
Social and related scientists	663,000	230,000	270,000	67,000	97,000
Engineers	1,921,000	1,576,000	108,000	11,000	226,000
S&E-related occupations	8,893,000	6,470,000	648,000	1,144,000	632,000
Non-S&E occupations	34,165,000	23,210,000	1,564,000	5,755,000	3,635,000
Bachelor's	31,373,000	23,604,000	1,249,000	3,367,000	3,154,000
S&E occupations	4,176,000	3,343,000	311,000	74,000	448,000
Biological, agricultural, and other life scientists	277,000	133,000	82,000	4,000	59,000
Computer and mathematical scientists	2,403,000	2,066,000	107,000	58,000	172,000
Physical and related scientists	189,000	101,000	39,000	2,000	47,000
Social and related scientists	147,000	50,000	56,000	8,000	33,000
Engineers	1,158,000	994,000	27,000	1,000	137,000
S&E-related occupations	4,794,000	3,738,000	230,000	485,000	342,000
Non-S&E occupations	22,403,000	16,523,000	708,000	2,808,000	2,364,000
Master's	14,158,000	8,353,000	976,000	3,487,000	1,342,000
S&E occupations	2,286,000	1,660,000	279,000	97,000	251,000
Biological, agricultural, and other life scientists	152,000	65,000	44,000	7,000	36,000
Computer and mathematical scientists	1,168,000	959,000	89,000	41,000	79,000
Physical and related scientists	97,000	47,000	27,000	2,000	21,000
Social and related scientists	249,000	86,000	83,000	38,000	42,000
Engineers	619,000	503,000	35,000	8,000	73,000
S&E-related occupations	2,332,000	1,381,000	159,000	607,000	186,000
Non-S&E occupations	9,540,000	5,313,000	538,000	2,784,000	905,000
Doctorate	2,090,000	985,000	759,000	196,000	150,000
S&E occupations	938,000	406,000	411,000	32,000	88,000
Biological, agricultural, and other life scientists	254,000	100,000	122,000	10,000	22,000
Computer and mathematical scientists	189,000	111,000	59,000	2,000	16,000
Physical and related scientists	121,000	41,000	60,000	5,000	16,000
Social and related scientists	235,000	78,000	124,000	14,000	18,000
Engineers	139,000	76,000	47,000	1,000	15,000
S&E-related occupations	387,000	243,000	84,000	38,000	22,000
Non-S&E occupations	765,000	336,000	263,000	126,000	40,000
Professional	2,903,000	2,182,000	242,000	61,000	418,000
S&E occupations	67,000	35,000	12,000	9,000	11,000
S&E-related occupations	1,380,000	1,108,000	175,000	15,000	82,000
Non-S&E occupations	1,456,000	1,038,000	55,000	37,000	325,000
Foreign-born college graduates, all degrees, all occupations	8,602,000	6,480,000	754,000	691,000	677,000

TABLE 5-4

Employed college graduates, by nativity, level of highest degree, major occupation, and employment sector: 2019

(Number)

Nativity, level of highest degree, and occupation	Total	Business or industry	4-year educational institution ^a	2-year college or precollege educational institution	Government ^b
S&E occupations	2,192,000	1,659,000	354,000	30,000	150,000
Biological, agricultural, and other life scientists	229,000	100,000	98,000	5,000	26,000
Computer and mathematical scientists	1,263,000	1,111,000	88,000	16,000	49,000
Physical and related scientists	93,000	30,000	52,000	2,000	9,000
Social and related scientists	112,000	32,000	59,000	7,000	14,000
Engineers	495,000	384,000	57,000	1,000	52,000
S&E-related occupations	1,802,000	1,416,000	166,000	86,000	134,000
Non-S&E occupations	4,609,000	3,406,000	235,000	575,000	393,000
Bachelor's	4,672,000	3,669,000	248,000	361,000	393,000
S&E occupations	878,000	731,000	72,000	10,000	65,000
Biological, agricultural, and other life scientists	47,000	23,000	14,000	D	9,000
Computer and mathematical scientists	591,000	534,000	27,000	8,000	23,000
Physical and related scientists	22,000	8,000	11,000	D	2,000
Social and related scientists	19,000	3,000	S	D	6,000
Engineers	199,000	162,000	11,000	D	25,000
S&E-related occupations	895,000	732,000	61,000	23,000	79,000
Non-S&E occupations	2,899,000	2,206,000	115,000	328,000	249,000
Master's	2,706,000	2,048,000	189,000	282,000	188,000
S&E occupations	873,000	716,000	97,000	13,000	47,000
Biological, agricultural, and other life scientists	46,000	22,000	20,000	S	4,000
Computer and mathematical scientists	553,000	501,000	26,000	6,000	19,000
Physical and related scientists	20,000	6,000	12,000	D	S
Social and related scientists	40,000	14,000	18,000	5,000	3,000
Engineers	214,000	173,000	21,000	S	19,000
S&E-related occupations	453,000	337,000	26,000	55,000	35,000
Non-S&E occupations	1,380,000	995,000	66,000	214,000	106,000
Doctorate	753,000	396,000	262,000	42,000	53,000
S&E occupations	420,000	200,000	180,000	6,000	34,000
Biological, agricultural, and other life scientists	127,000	51,000	62,000	3,000	12,000
Computer and mathematical scientists	114,000	72,000	34,000	1,000	6,000
Physical and related scientists	51,000	17,000	28,000	1,000	6,000
Social and related scientists	48,000	13,000	31,000	1,000	3,000
Engineers	79,000	47,000	24,000	D	7,000
S&E-related occupations	155,000	103,000	37,000	4,000	11,000
Non-S&E occupations	178,000	93,000	45,000	31,000	8,000
Professional	471,000	367,000	55,000	6,000	43,000
S&E occupations	21,000	12,000	5,000	*	3,000
S&E-related occupations	298,000	243,000	41,000	S	10,000
Non-S&E occupations	152,000	112,000	8,000	2,000	30,000
U.S.-born college graduates, all degrees, all occupations	41,922,000	28,644,000	2,471,000	6,419,000	4,388,000
S&E occupations	5,275,000	3,786,000	660,000	182,000	648,000

TABLE 5-4

Employed college graduates, by nativity, level of highest degree, major occupation, and employment sector: 2019

(Number)

Nativity, level of highest degree, and occupation	Total	Business or industry	4-year educational institution ^a	2-year college or precollege educational institution	Government ^b
Biological, agricultural, and other life scientists	469,000	202,000	155,000	18,000	94,000
Computer and mathematical scientists	2,512,000	2,036,000	169,000	86,000	221,000
Physical and related scientists	316,000	158,000	75,000	8,000	76,000
Social and related scientists	551,000	198,000	210,000	60,000	83,000
Engineers	1,427,000	1,192,000	51,000	9,000	174,000
S&E-related occupations	7,092,000	5,055,000	482,000	1,058,000	498,000
Non-S&E occupations	29,556,000	19,804,000	1,330,000	5,180,000	3,242,000
Bachelor's	26,701,000	19,935,000	1,001,000	3,005,000	2,760,000
S&E occupations	3,298,000	2,612,000	239,000	64,000	382,000
Biological, agricultural, and other life scientists	230,000	109,000	68,000	S	50,000
Computer and mathematical scientists	1,812,000	1,533,000	80,000	50,000	149,000
Physical and related scientists	168,000	92,000	28,000	2,000	45,000
Social and related scientists	128,000	46,000	48,000	8,000	26,000
Engineers	959,000	832,000	15,000	1,000	111,000
S&E-related occupations	3,899,000	3,006,000	168,000	462,000	263,000
Non-S&E occupations	19,504,000	14,317,000	593,000	2,479,000	2,116,000
Master's	11,452,000	6,305,000	787,000	3,206,000	1,154,000
S&E occupations	1,413,000	944,000	182,000	84,000	204,000
Biological, agricultural, and other life scientists	107,000	43,000	24,000	6,000	33,000
Computer and mathematical scientists	616,000	458,000	63,000	35,000	59,000
Physical and related scientists	77,000	41,000	15,000	2,000	19,000
Social and related scientists	209,000	71,000	65,000	33,000	39,000
Engineers	405,000	330,000	14,000	8,000	54,000
S&E-related occupations	1,880,000	1,043,000	134,000	551,000	151,000
Non-S&E occupations	8,160,000	4,318,000	471,000	2,571,000	799,000
Doctorate	1,337,000	589,000	497,000	154,000	97,000
S&E occupations	518,000	207,000	232,000	26,000	54,000
Biological, agricultural, and other life scientists	127,000	49,000	60,000	7,000	11,000
Computer and mathematical scientists	75,000	39,000	25,000	S	S
Physical and related scientists	70,000	24,000	31,000	4,000	11,000
Social and related scientists	186,000	65,000	93,000	13,000	14,000
Engineers	60,000	29,000	22,000	D	8,000
S&E-related occupations	231,000	140,000	47,000	33,000	11,000
Non-S&E occupations	588,000	242,000	218,000	95,000	32,000
Professional	2,432,000	1,815,000	187,000	55,000	375,000
S&E occupations	46,000	23,000	7,000	8,000	8,000
S&E-related occupations	1,082,000	865,000	133,000	11,000	72,000
Non-S&E occupations	1,304,000	927,000	47,000	35,000	295,000

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

^b Government includes federal (civilian), military, state, and local employers.

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: 2019.