

TABLE 2-6

Employed college graduates, by level of highest degree, major occupation, possession of a certification or license, and primary field of certification or license: 2017

(Number)

Level of highest degree and occupation	Total	Obtained a certification or license for work-related reasons	Primary field of certification or license										
			Computer applications and design	Computer networking, administration, and security	Other information technologies and computers	Mathematics, statistics, and data analytics	Life sciences	Physical sciences	Social sciences	Engineering	S&E-related	Non-S&E	Uncodeable or missing
All degree levels	48,223,000	19,714,000	175,000	302,000	181,000	37,000	101,000	91,000	233,000	588,000	5,391,000	12,167,000	449,000
S&E occupations	6,769,000	1,507,000	119,000	220,000	116,000	4,000	23,000	43,000	124,000	350,000	122,000	354,000	31,000
Biological, agricultural, and other life scientists	610,000	93,000	D	D	D	D	15,000	11,000	D	S	43,000	19,000	2,000
Computer and mathematical scientists	3,419,000	682,000	112,000	206,000	110,000	1,000	D	2,000	6,000	12,000	49,000	164,000	19,000
Physical and related scientists	366,000	52,000	D	D	D	D	7,000	22,000	D	3,000	10,000	8,000	1,000
Social and related scientists	646,000	230,000	D	D	D	D	D	D	115,000	D	12,000	99,000	2,000
Engineers	1,728,000	449,000	4,000	14,000	5,000	D	D	8,000	2,000	334,000	8,000	64,000	8,000
S&E-related occupations	8,271,000	6,134,000	24,000	29,000	19,000	29,000	18,000	21,000	29,000	124,000	4,580,000	1,142,000	119,000
Non-S&E occupations	33,183,000	12,073,000	32,000	52,000	46,000	4,000	59,000	27,000	80,000	114,000	688,000	10,670,000	300,000
Bachelor's	30,131,000	10,178,000	115,000	221,000	121,000	32,000	71,000	43,000	51,000	384,000	2,720,000	6,166,000	254,000
S&E occupations	3,846,000	824,000	83,000	162,000	79,000	D	10,000	18,000	6,000	223,000	77,000	148,000	13,000
Biological, agricultural, and other life scientists	230,000	41,000	D	D	D	D	7,000	4,000	D	D	22,000	8,000	S
Computer and mathematical scientists	2,219,000	446,000	80,000	154,000	74,000	D	D	S	D	7,000	39,000	82,000	7,000
Physical and related scientists	164,000	25,000	D	D	D	D	4,000	8,000	D	1,000	9,000	3,000	D
Social and related scientists	172,000	21,000	D	D	D	D	D	D	4,000	D	D	16,000	D
Engineers	1,061,000	290,000	3,000	9,000	4,000	D	D	5,000	D	215,000	7,000	39,000	5,000
S&E-related occupations	4,338,000	3,000,000	10,000	19,000	11,000	26,000	13,000	9,000	S	88,000	2,243,000	524,000	52,000
Non-S&E occupations	21,946,000	6,355,000	21,000	40,000	32,000	S	48,000	16,000	38,000	73,000	400,000	5,494,000	190,000
Master's	13,260,000	6,363,000	57,000	77,000	56,000	5,000	25,000	39,000	86,000	182,000	1,180,000	4,520,000	136,000
S&E occupations	2,069,000	520,000	34,000	56,000	34,000	S	12,000	19,000	41,000	110,000	24,000	173,000	15,000

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Level of highest degree and occupation	Total	Obtained a certification or license for work-related reasons	Primary field of certification or license										
			Computer applications and design	Computer networking, administration, and security	Other information technologies and computers	Mathematics, statistics, and data analytics	Life sciences	Physical sciences	Social sciences	Engineering	S&E-related	Non-S&E	Uncodeable or missing
Biological, agricultural, and other life scientists	149,000	31,000	D	D	D	D	8,000	4,000	D	D	8,000	9,000	*
Computer and mathematical scientists	1,039,000	219,000	31,000	51,000	33,000	S	D	S	D	2,000	7,000	78,000	11,000
Physical and related scientists	98,000	21,000	D	D	D	D	3,000	11,000	D	S	1,000	4,000	D
Social and related scientists	235,000	106,000	D	D	D	D	D	D	35,000	D	S	61,000	1,000
Engineers	548,000	143,000	S	5,000	D	D	D	3,000	2,000	106,000	1,000	22,000	2,000
S&E-related occupations	2,262,000	1,648,000	13,000	10,000	8,000	S	6,000	10,000	12,000	34,000	951,000	567,000	34,000
Non-S&E occupations	8,929,000	4,196,000	10,000	12,000	14,000	D	7,000	S	33,000	38,000	204,000	3,779,000	87,000
Doctorate	1,796,000	517,000	1,000	3,000	S	D	6,000	8,000	72,000	21,000	181,000	211,000	10,000
S&E occupations	786,000	127,000	S	2,000	S	D	S	5,000	60,000	17,000	16,000	20,000	2,000
S&E-related occupations	267,000	168,000	D	D	D	D	D	2,000	4,000	2,000	131,000	27,000	D
Non-S&E occupations	743,000	222,000	D	D	D	D	5,000	S	8,000	2,000	34,000	164,000	7,000
Professional	3,036,000	2,655,000	D	D	D	D	D	D	24,000	D	1,309,000	1,269,000	48,000
S&E occupations	67,000	37,000	D	D	D	D	D	D	17,000	D	4,000	12,000	D
S&E-related occupations	1,404,000	1,318,000	D	D	D	D	D	D	S	D	1,255,000	24,000	32,000
Non-S&E occupations	1,565,000	1,301,000	D	D	D	D	D	D	2,000	D	50,000	1,233,000	15,000

* = 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.