

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: 2023

(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 degrees	56,061,000	22,963,000	386,000	413,000	159,000	43,000	118,000	93,000	299,000	642,000	6,551,000	13,602,000	656,000
S&E occupations	8,711,000	1,858,000	236,000	300,000	91,000	6,000	38,000	48,000	64,000	398,000	121,000	473,000	83,000
Biological, agricultural, and other life scientists	813,000	133,000	*	D	D	D	31,000	8,000	D	D	51,000	38,000	4,000
Computer and mathematical scientists	4,573,000	921,000	224,000	279,000	82,000	5,000	D	5,000	S	8,000	29,000	230,000	57,000
Physical and related scientists	430,000	63,000	*	D	D	D	4,000	28,000	D	5,000	12,000	11,000	S
Social and related scientists	631,000	150,000	D	D	D	S	D	57,000	D	11,000	74,000	S	
Engineers	2,263,000	591,000	12,000	20,000	9,000	D	S	7,000	4,000	385,000	18,000	120,000	15,000
S&E-related occupations	11,253,000	7,683,000	71,000	52,000	32,000	23,000	36,000	25,000	132,000	124,000	5,772,000	1,262,000	153,000
Non-S&E occupations	36,097,000	13,422,000	80,000	61,000	36,000	15,000	44,000	19,000	103,000	120,000	658,000	11,868,000	419,000
Bachelor's	34,311,000	11,688,000	262,000	268,000	107,000	29,000	85,000	52,000	58,000	402,000	3,074,000	6,962,000	391,000
S&E occupations	5,052,000	1,117,000	171,000	203,000	66,000	2,000	27,000	25,000	S	256,000	55,000	250,000	54,000
Biological, agricultural, and other life scientists	314,000	62,000	D	D	D	D	22,000	3,000	D	D	18,000	19,000	S
Computer and mathematical scientists	2,989,000	612,000	162,000	190,000	58,000	2,000	D	4,000	D	3,000	16,000	138,000	38,000
Physical and related scientists	185,000	31,000	D	D	D	D	4,000	15,000	D	3,000	6,000	3,000	*
Social and related scientists	165,000	32,000	D	D	D	D	D	D	S	S	16,000	16,000	D
Engineers	1,400,000	380,000	8,000	12,000	7,000	D	D	3,000	D	250,000	S	74,000	11,000
S&E-related occupations	5,852,000	3,540,000	38,000	31,000	21,000	20,000	19,000	15,000	12,000	76,000	2,661,000	561,000	85,000
Non-S&E occupations	23,407,000	7,031,000	53,000	34,000	20,000	7,000	39,000	11,000	35,000	70,000	358,000	6,152,000	252,000
Master's	15,719,000	7,426,000	120,000	135,000	48,000	12,000	29,000	33,000	120,000	213,000	1,553,000	4,978,000	184,000
S&E occupations	2,593,000	597,000	63,000	91,000	22,000	3,000	9,000	17,000	19,000	123,000	41,000	182,000	25,000
Biological, agricultural, and other life scientists	205,000	32,000	*	D	D	D	8,000	2,000	D	D	9,000	11,000	D
Computer and mathematical scientists	1,353,000	286,000	60,000	83,000	20,000	3,000	D	S	S	S	13,000	83,000	19,000
Physical and related scientists	117,000	24,000	D	D	D	D	*	12,000	D	S	5,000	5,000	D
Social and related scientists	239,000	66,000	D	D	D	D	D	D	14,000	D	8,000	41,000	1,000
Engineers	679,000	189,000	3,000	7,000	2,000	D	D	3,000	S	120,000	5,000	42,000	4,000
S&E-related occupations	3,059,000	2,156,000	32,000	20,000	11,000	2,000	15,000	8,000	45,000	45,000	1,287,000	652,000	39,000
Non-S&E occupations	10,068,000	4,673,000	24,000	24,000	15,000	S	5,000	S	56,000	44,000	226,000	4,144,000	120,000
Doctorate	2,488,000	806,000	5,000	8,000	4,000	S	3,000	8,000	85,000	27,000	303,000	340,000	22,000
S&E occupations	995,000	115,000	2,000	6,000	3,000	D	2,000	6,000	27,000	19,000	15,000	32,000	4,000
S&E-related occupations	576,000	359,000	S	D	D	D	S	2,000	51,000	3,000	262,000	35,000	4,000
Non-S&E occupations	917,000	332,000	S	D	D	D	D	D	8,000	5,000	26,000	273,000	14,000
Professional	3,543,000	3,043,000	D	D	D	D	D	D	35,000	D	1,621,000	1,322,000	59,000
S&E occupations	71,000	29,000	D	D	D	D	D	D	7,000	D	11,000	9,000	D
S&E-related occupations	1,766,000	1,627,000	D	D	D	D	D	D	24,000	D	1,562,000	14,000	25,000
Non-S&E occupations	1,705,000	1,386,000	D	D	D	D	D	D	4,000	D	48,000	1,299,000	34,000

* = 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, 2023.