

TABLE 1-1

College graduates, by level of highest degree, minor field of highest degree, and labor force status: 2023

(Number)

Level and field of highest degree	Total	Employed			Unemployed ^a	Not in labor force ^b	
		Total	S&E occupations	S&E-related occupations			Non-S&E occupations
All degrees	71,697,000	56,061,000	8,711,000	11,253,000	36,097,000	1,771,000	13,865,000
S&E fields	22,109,000	17,566,000	6,518,000	2,955,000	8,093,000	602,000	3,941,000
Biological, agricultural, and environmental life sciences	3,537,000	2,721,000	755,000	760,000	1,206,000	88,000	728,000
Agricultural and food sciences	471,000	370,000	53,000	59,000	259,000	15,000	86,000
Biological sciences	2,633,000	2,012,000	625,000	651,000	736,000	65,000	556,000
Environmental life sciences	432,000	338,000	77,000	50,000	211,000	8,000	86,000
Computer and mathematical sciences	4,361,000	3,563,000	2,110,000	524,000	928,000	156,000	642,000
Computer and information sciences	3,332,000	2,781,000	1,811,000	407,000	562,000	122,000	430,000
Mathematics and statistics	1,029,000	782,000	299,000	117,000	366,000	34,000	212,000
Physical and related sciences	1,162,000	953,000	476,000	166,000	311,000	18,000	190,000
Chemistry, except biochemistry	474,000	370,000	182,000	73,000	115,000	10,000	94,000
Earth, atmospheric, and ocean sciences	356,000	301,000	142,000	42,000	116,000	5,000	50,000
Physics and astronomy	300,000	257,000	147,000	43,000	67,000	3,000	41,000
Other physical sciences	32,000	26,000	5,000	8,000	13,000	D	S
Social and related sciences	7,919,000	6,059,000	738,000	688,000	4,634,000	259,000	1,601,000
Economics	1,189,000	971,000	154,000	48,000	769,000	25,000	193,000
Political and related sciences	1,308,000	1,032,000	133,000	59,000	841,000	37,000	239,000
Psychology	3,380,000	2,511,000	246,000	424,000	1,841,000	126,000	743,000
Sociology and anthropology	1,286,000	948,000	116,000	81,000	751,000	43,000	295,000
Other social sciences	756,000	597,000	89,000	76,000	433,000	28,000	131,000
Engineering	5,131,000	4,270,000	2,438,000	818,000	1,014,000	80,000	780,000
Aerospace, aeronautical, and astronautical engineering	209,000	175,000	123,000	26,000	26,000	S	33,000
Chemical engineering	333,000	275,000	147,000	51,000	78,000	4,000	54,000
Civil and architectural engineering	666,000	553,000	302,000	91,000	161,000	6,000	107,000
Electrical and computer engineering	1,742,000	1,458,000	896,000	330,000	232,000	35,000	249,000
Industrial engineering	343,000	275,000	104,000	61,000	110,000	4,000	63,000
Mechanical engineering	1,072,000	916,000	553,000	139,000	224,000	13,000	143,000
Other engineering	765,000	617,000	314,000	120,000	183,000	18,000	130,000
S&E-related fields	10,707,000	8,556,000	534,000	6,204,000	1,818,000	193,000	1,959,000
Health	8,577,000	6,858,000	234,000	5,564,000	1,061,000	148,000	1,571,000
Science and mathematics teacher education	706,000	546,000	33,000	233,000	280,000	S	156,000
Technology and technical fields	727,000	563,000	216,000	126,000	220,000	30,000	135,000
Other S&E-related fields	697,000	589,000	52,000	281,000	257,000	12,000	96,000
Non-S&E fields	38,881,000	29,939,000	1,660,000	2,093,000	26,186,000	977,000	7,965,000
Management and administration fields	13,007,000	10,153,000	740,000	753,000	8,660,000	367,000	2,487,000

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(Number)

Level and field of highest degree	Total	Employed			Unemployed ^a	Not in labor force ^b
		Total	S&E occupations	S&E-related occupations		
Education, except science and math teacher education	7,559,000	5,245,000	77,000	402,000	4,766,000	2,171,000
Social service and related fields	2,022,000	1,526,000	81,000	84,000	1,360,000	460,000
Sales and marketing fields	1,775,000	1,448,000	81,000	91,000	1,276,000	303,000
Art and humanities fields	6,295,000	4,937,000	293,000	379,000	4,266,000	1,161,000
Other non-S&E fields	8,222,000	6,630,000	388,000	383,000	5,858,000	1,382,000
Bachelor's	44,588,000	34,400,000	5,069,000	5,881,000	23,449,000	8,866,000
S&E fields	15,511,000	12,216,000	3,881,000	1,975,000	6,360,000	2,833,000
Biological, agricultural, and environmental life sciences	2,539,000	1,912,000	367,000	562,000	982,000	555,000
Agricultural and food sciences	378,000	300,000	24,000	45,000	230,000	67,000
Biological sciences	1,844,000	1,368,000	300,000	482,000	586,000	422,000
Environmental life sciences	317,000	244,000	42,000	35,000	166,000	66,000
Computer and mathematical sciences	2,973,000	2,437,000	1,357,000	351,000	728,000	424,000
Computer and information sciences	2,272,000	1,904,000	1,202,000	269,000	432,000	280,000
Mathematics and statistics	700,000	533,000	155,000	82,000	295,000	144,000
Physical and related sciences	689,000	543,000	210,000	99,000	234,000	133,000
Chemistry, except biochemistry	283,000	210,000	87,000	46,000	76,000	67,000
Earth, atmospheric, and ocean sciences	234,000	197,000	69,000	29,000	99,000	34,000
Physics and astronomy	153,000	123,000	53,000	19,000	51,000	28,000
Other physical sciences	19,000	15,000	2,000	S	9,000	S
Social and related sciences	5,773,000	4,417,000	367,000	422,000	3,628,000	1,149,000
Economics	994,000	822,000	95,000	44,000	684,000	152,000
Political and related sciences	962,000	741,000	59,000	45,000	637,000	188,000
Psychology	2,203,000	1,629,000	104,000	204,000	1,321,000	479,000
Sociology and anthropology	1,090,000	813,000	63,000	72,000	678,000	237,000
Other social sciences	524,000	411,000	46,000	58,000	307,000	94,000
Engineering	3,538,000	2,908,000	1,579,000	540,000	788,000	572,000
Aerospace, aeronautical, and astronautical engineering	141,000	115,000	83,000	16,000	16,000	25,000
Chemical engineering	253,000	210,000	110,000	35,000	65,000	41,000
Civil and architectural engineering	475,000	393,000	197,000	65,000	131,000	79,000
Electrical and computer engineering	1,157,000	955,000	575,000	216,000	164,000	174,000
Industrial engineering	244,000	193,000	62,000	46,000	85,000	47,000
Mechanical engineering	832,000	700,000	412,000	97,000	191,000	122,000
Other engineering	436,000	341,000	139,000	66,000	136,000	84,000
S&E-related fields	5,284,000	4,045,000	250,000	2,724,000	1,071,000	1,112,000
Health	3,943,000	2,986,000	69,000	2,346,000	570,000	862,000

TABLE 1-1

College graduates, by level of highest degree, minor field of highest degree, and labor force status: 2023

(Number)

Level and field of highest degree	Total	Employed				Unemployed ^a	Not in labor force ^b
		Total	S&E occupations	S&E-related occupations	Non-S&E occupations		
Science and mathematics teacher education	328,000	253,000	9,000	S	139,000	D	73,000
Technology and technical fields	567,000	437,000	150,000	93,000	194,000	25,000	105,000
Other S&E-related fields	447,000	369,000	22,000	179,000	169,000	7,000	71,000
Non-S&E fields	23,793,000	18,138,000	939,000	1,182,000	16,018,000	733,000	4,921,000
Management and administration fields	8,617,000	6,607,000	349,000	391,000	5,868,000	289,000	1,721,000
Education, except science and math teacher education	3,138,000	2,013,000	24,000	107,000	1,881,000	103,000	1,022,000
Social service and related fields	797,000	544,000	45,000	20,000	478,000	S	241,000
Sales and marketing fields	1,437,000	1,185,000	61,000	83,000	1,040,000	S	236,000
Art and humanities fields	5,077,000	4,018,000	247,000	320,000	3,451,000	174,000	885,000
Other non-S&E fields	4,727,000	3,772,000	212,000	260,000	3,300,000	138,000	816,000
Master's	20,110,000	15,780,000	2,599,000	3,096,000	10,085,000	354,000	3,977,000
S&E fields	4,923,000	3,939,000	1,775,000	701,000	1,463,000	111,000	872,000
Biological, agricultural, and environmental life sciences	542,000	417,000	153,000	113,000	152,000	11,000	114,000
Agricultural and food sciences	62,000	45,000	16,000	6,000	22,000	S	13,000
Biological sciences	377,000	288,000	109,000	92,000	87,000	6,000	82,000
Environmental life sciences	103,000	84,000	28,000	14,000	43,000	D	19,000
Computer and mathematical sciences	1,232,000	985,000	642,000	161,000	182,000	43,000	204,000
Computer and information sciences	969,000	794,000	546,000	130,000	119,000	32,000	143,000
Mathematics and statistics	263,000	191,000	96,000	32,000	63,000	S	61,000
Physical and related sciences	226,000	196,000	115,000	39,000	41,000	2,000	28,000
Chemistry, except biochemistry	76,000	65,000	34,000	13,000	18,000	*	10,000
Earth, atmospheric, and ocean sciences	81,000	69,000	44,000	11,000	13,000	S	11,000
Physics and astronomy	62,000	55,000	36,000	13,000	6,000	D	6,000
Other physical sciences	7,000	7,000	1,000	S	4,000	D	D
Social and related sciences	1,664,000	1,272,000	206,000	166,000	901,000	39,000	353,000
Economics	147,000	115,000	37,000	4,000	74,000	4,000	28,000
Political and related sciences	303,000	262,000	54,000	12,000	196,000	S	38,000
Psychology	894,000	656,000	65,000	126,000	465,000	23,000	215,000
Sociology and anthropology	139,000	96,000	24,000	9,000	63,000	S	42,000
Other social sciences	181,000	143,000	25,000	15,000	102,000	S	30,000
Engineering	1,258,000	1,068,000	659,000	223,000	187,000	16,000	173,000
Aerospace, aeronautical, and astronautical engineering	56,000	48,000	31,000	9,000	8,000	D	8,000
Chemical engineering	45,000	34,000	20,000	7,000	7,000	D	9,000
Civil and architectural engineering	159,000	134,000	83,000	24,000	27,000	D	24,000
Electrical and computer engineering	483,000	412,000	260,000	96,000	56,000	5,000	65,000

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(Number)

Level and field of highest degree	Total	Employed			Unemployed ^a	Not in labor force ^b	
		Total	S&E occupations	S&E-related occupations			Non-S&E occupations
Industrial engineering	82,000	68,000	34,000	12,000	23,000	1,000	13,000
Mechanical engineering	194,000	174,000	110,000	36,000	28,000	2,000	18,000
Other engineering	240,000	200,000	122,000	39,000	39,000	4,000	36,000
S&E-related fields	2,930,000	2,375,000	208,000	1,565,000	601,000	41,000	515,000
Health	2,180,000	1,766,000	103,000	1,305,000	358,000	29,000	386,000
Science and mathematics teacher education	358,000	279,000	20,000	127,000	132,000	S	77,000
Technology and technical fields	148,000	117,000	61,000	31,000	25,000	5,000	27,000
Other S&E-related fields	243,000	213,000	25,000	102,000	86,000	5,000	25,000
Non-S&E fields	12,257,000	9,466,000	616,000	830,000	8,021,000	201,000	2,590,000
Management and administration fields	4,310,000	3,479,000	387,000	357,000	2,735,000	77,000	755,000
Education, except science and math teacher education	4,085,000	2,965,000	39,000	271,000	2,654,000	37,000	1,083,000
Social service and related fields	1,096,000	889,000	23,000	62,000	805,000	14,000	192,000
Sales and marketing fields	330,000	257,000	20,000	8,000	229,000	S	67,000
Art and humanities fields	998,000	735,000	38,000	49,000	648,000	21,000	241,000
Other non-S&E fields	1,439,000	1,141,000	108,000	83,000	950,000	45,000	252,000
Doctorate	2,898,000	2,420,000	973,000	562,000	885,000	46,000	431,000
S&E fields	1,602,000	1,349,000	849,000	250,000	249,000	29,000	225,000
Biological, agricultural, and environmental life sciences	456,000	392,000	235,000	85,000	72,000	5,000	59,000
Agricultural and food sciences	31,000	26,000	12,000	S	6,000	D	6,000
Biological sciences	412,000	356,000	215,000	77,000	64,000	5,000	52,000
Environmental life sciences	12,000	10,000	7,000	S	S	D	S
Computer and mathematical sciences	156,000	141,000	111,000	12,000	18,000	1,000	14,000
Computer and information sciences	91,000	83,000	64,000	9,000	11,000	*	7,000
Mathematics and statistics	65,000	58,000	47,000	3,000	8,000	*	7,000
Physical and related sciences	247,000	214,000	151,000	27,000	35,000	4,000	29,000
Chemistry, except biochemistry	115,000	95,000	61,000	13,000	22,000	3,000	17,000
Earth, atmospheric, and ocean sciences	41,000	35,000	29,000	2,000	4,000	D	5,000
Physics and astronomy	86,000	79,000	59,000	11,000	9,000	*	6,000
Other physical sciences	5,000	4,000	2,000	D	D	D	S
Social and related sciences	409,000	309,000	153,000	72,000	85,000	13,000	87,000
Economics	47,000	34,000	23,000	*	10,000	D	12,000
Political and related sciences	43,000	29,000	19,000	2,000	7,000	D	13,000
Psychology	210,000	164,000	64,000	66,000	34,000	S	39,000
Sociology and anthropology	57,000	39,000	29,000	1,000	10,000	D	16,000
Other social sciences	51,000	43,000	17,000	S	23,000	D	7,000

TABLE 1-1

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(Number)

Level and field of highest degree	Total	Employed			Unemployed ^a	Not in labor force ^b	
		Total	S&E occupations	S&E-related occupations			Non-S&E occupations
Engineering	334,000	293,000	200,000	55,000	39,000	7,000	35,000
Aerospace, aeronautical, and astronautical engineering	12,000	12,000	9,000	2,000	1,000	D	D
Chemical engineering	36,000	31,000	17,000	9,000	6,000	D	5,000
Civil and architectural engineering	32,000	27,000	22,000	2,000	3,000	D	4,000
Electrical and computer engineering	103,000	91,000	60,000	19,000	13,000	2,000	10,000
Industrial engineering	17,000	14,000	8,000	S	2,000	D	4,000
Mechanical engineering	47,000	43,000	32,000	6,000	6,000	S	3,000
Other engineering	88,000	76,000	53,000	15,000	8,000	3,000	9,000
S&E-related fields	422,000	372,000	54,000	264,000	54,000	S	49,000
Health	383,000	342,000	40,000	261,000	41,000	D	40,000
Science and mathematics teacher education	20,000	14,000	4,000	*	9,000	D	S
Technology and technical fields	12,000	9,000	5,000	S	S	D	S
Other S&E-related fields	7,000	7,000	4,000	D	2,000	D	*
Non-S&E fields	874,000	700,000	70,000	48,000	582,000	17,000	157,000
Management and administration fields	80,000	67,000	4,000	S	57,000	D	11,000
Education, except science and math teacher education	337,000	267,000	13,000	23,000	231,000	S	67,000
Social service and related fields	130,000	93,000	13,000	S	78,000	S	27,000
Sales and marketing fields	7,000	7,000	D	D	7,000	D	D
Art and humanities fields	220,000	184,000	8,000	S	167,000	D	35,000
Other non-S&E fields	100,000	82,000	32,000	S	43,000	D	16,000
Professional	4,101,000	3,461,000	70,000	1,714,000	1,677,000	50,000	591,000
S&E fields	73,000	62,000	13,000	28,000	20,000	D	11,000
S&E-related fields	2,071,000	1,765,000	22,000	1,652,000	91,000	24,000	283,000
Non-S&E fields	1,957,000	1,634,000	35,000	33,000	1,566,000	26,000	297,000

* = 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 Unemployed includes individuals who were not working during the survey reference week but had been seeking work in the prior 4 weeks or who were on layoff from their job.

^b Not in labor force includes individuals who were not working during the survey reference week and had not been seeking work in the prior 4 weeks because of family responsibilities, chronic illness, or other reasons.

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.