

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	17,561,000	6,520,000	2,954,000	8,087,000	602,000	3,946,000
Biological, agricultural, and environmental life sciences	3,551,000	2,732,000	760,000	759,000	1,213,000	88,000	731,000
Agricultural and food sciences	472,000	372,000	53,000	60,000	259,000	15,000	86,000
Biological sciences	2,646,000	2,022,000	629,000	651,000	742,000	65,000	559,000
Environmental life sciences	432,000	338,000	77,000	49,000	212,000	8,000	86,000
Computer and mathematical sciences	4,355,000	3,557,000	2,105,000	524,000	927,000	156,000	642,000
Computer and information sciences	3,327,000	2,775,000	1,807,000	407,000	561,000	122,000	430,000
Mathematics and statistics	1,028,000	782,000	298,000	118,000	366,000	34,000	212,000
Physical and related sciences	1,165,000	954,000	477,000	166,000	311,000	18,000	192,000
Chemistry, except biochemistry	476,000	371,000	182,000	73,000	116,000	10,000	95,000
Earth, atmospheric, and ocean sciences	356,000	301,000	142,000	42,000	116,000	5,000	50,000
Physics and astronomy	301,000	257,000	148,000	43,000	66,000	3,000	42,000
Other physical sciences	32,000	26,000	5,000	8,000	13,000	D	S
Social and related sciences	7,904,000	6,043,000	738,000	686,000	4,619,000	259,000	1,601,000
Economics	1,190,000	972,000	157,000	48,000	768,000	25,000	193,000
Political and related sciences	1,301,000	1,025,000	129,000	60,000	836,000	37,000	239,000
Psychology	3,373,000	2,502,000	247,000	422,000	1,833,000	126,000	745,000
Sociology and anthropology	1,283,000	945,000	116,000	82,000	747,000	43,000	295,000
Other social sciences	756,000	599,000	89,000	75,000	434,000	28,000	130,000
Engineering	5,134,000	4,274,000	2,440,000	818,000	1,017,000	80,000	779,000
Aerospace, aeronautical, and astronautical engineering	210,000	175,000	123,000	26,000	27,000	S	33,000
Chemical engineering	334,000	277,000	148,000	51,000	78,000	4,000	54,000
Civil and architectural engineering	667,000	554,000	302,000	91,000	161,000	6,000	108,000
Electrical and computer engineering	1,743,000	1,459,000	896,000	330,000	233,000	35,000	249,000
Industrial engineering	342,000	274,000	104,000	61,000	109,000	4,000	63,000
Mechanical engineering	1,072,000	917,000	553,000	139,000	225,000	13,000	141,000
Other engineering	767,000	619,000	314,000	120,000	185,000	18,000	130,000
S&E-related fields	10,709,000	8,562,000	532,000	6,213,000	1,817,000	191,000	1,956,000
Health	8,584,000	6,868,000	233,000	5,574,000	1,061,000	146,000	1,570,000
Science and mathematics teacher education	704,000	545,000	33,000	232,000	280,000	S	156,000
Technology and technical fields	726,000	561,000	215,000	126,000	220,000	30,000	135,000
Other S&E-related fields	694,000	588,000	52,000	281,000	256,000	12,000	94,000
Non-S&E fields	38,879,000	29,938,000	1,660,000	2,086,000	26,193,000	978,000	7,963,000
Management and administration fields	12,976,000	10,130,000	740,000	742,000	8,648,000	367,000	2,480,000

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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	7,552,000	5,245,000	77,000	400,000	4,768,000	2,163,000
Social service and related fields	2,016,000	1,520,000	82,000	81,000	1,358,000	460,000
Sales and marketing fields	1,778,000	1,451,000	81,000	91,000	1,279,000	303,000
Art and humanities fields	6,297,000	4,944,000	294,000	382,000	4,268,000	1,157,000
Other non-S&E fields	8,260,000	6,648,000	387,000	390,000	5,872,000	1,400,000
Bachelor's	44,465,000	34,311,000	5,052,000	5,852,000	23,407,000	8,834,000
S&E fields	15,463,000	12,176,000	3,870,000	1,961,000	6,344,000	2,826,000
Biological, agricultural, and environmental life sciences	2,529,000	1,902,000	367,000	556,000	980,000	555,000
Agricultural and food sciences	378,000	300,000	24,000	45,000	230,000	67,000
Biological sciences	1,835,000	1,359,000	300,000	476,000	583,000	422,000
Environmental life sciences	316,000	243,000	42,000	34,000	166,000	66,000
Computer and mathematical sciences	2,963,000	2,428,000	1,351,000	349,000	728,000	423,000
Computer and information sciences	2,263,000	1,895,000	1,196,000	267,000	432,000	279,000
Mathematics and statistics	700,000	533,000	155,000	82,000	295,000	144,000
Physical and related sciences	686,000	541,000	209,000	99,000	233,000	133,000
Chemistry, except biochemistry	282,000	209,000	87,000	46,000	76,000	67,000
Earth, atmospheric, and ocean sciences	234,000	196,000	68,000	29,000	99,000	34,000
Physics and astronomy	151,000	121,000	53,000	19,000	49,000	28,000
Other physical sciences	19,000	15,000	2,000	S	9,000	S
Social and related sciences	5,755,000	4,403,000	367,000	418,000	3,618,000	1,145,000
Economics	993,000	821,000	95,000	44,000	683,000	152,000
Political and related sciences	960,000	740,000	59,000	45,000	636,000	188,000
Psychology	2,189,000	1,619,000	104,000	200,000	1,315,000	475,000
Sociology and anthropology	1,089,000	811,000	62,000	72,000	677,000	237,000
Other social sciences	523,000	411,000	46,000	58,000	307,000	94,000
Engineering	3,530,000	2,902,000	1,577,000	539,000	786,000	570,000
Aerospace, aeronautical, and astronautical engineering	140,000	115,000	83,000	15,000	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	64,000	131,000	79,000
Electrical and computer engineering	1,155,000	953,000	573,000	216,000	164,000	174,000
Industrial engineering	242,000	192,000	62,000	46,000	84,000	47,000
Mechanical engineering	830,000	699,000	412,000	97,000	191,000	120,000
Other engineering	435,000	340,000	139,000	66,000	135,000	84,000
S&E-related fields	5,261,000	4,028,000	248,000	2,710,000	1,069,000	1,107,000
Health	3,923,000	2,971,000	69,000	2,334,000	568,000	859,000

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	327,000	253,000	9,000	S	139,000	D	73,000
Technology and technical fields	566,000	436,000	149,000	93,000	193,000	25,000	105,000
Other S&E-related fields	445,000	369,000	22,000	178,000	169,000	7,000	69,000
Non-S&E fields	23,742,000	18,107,000	933,000	1,180,000	15,993,000	733,000	4,902,000
Management and administration fields	8,592,000	6,586,000	346,000	391,000	5,850,000	289,000	1,717,000
Education, except science and math teacher education	3,127,000	2,011,000	24,000	107,000	1,879,000	103,000	1,013,000
Social service and related fields	796,000	543,000	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	5,069,000	4,015,000	247,000	320,000	3,448,000	174,000	880,000
Other non-S&E fields	4,720,000	3,767,000	210,000	259,000	3,298,000	138,000	815,000
Master's	20,042,000	15,719,000	2,593,000	3,059,000	10,068,000	354,000	3,969,000
S&E fields	4,918,000	3,930,000	1,770,000	704,000	1,456,000	112,000	877,000
Biological, agricultural, and environmental life sciences	542,000	417,000	152,000	111,000	154,000	11,000	114,000
Agricultural and food sciences	62,000	46,000	16,000	7,000	22,000	S	13,000
Biological sciences	376,000	287,000	109,000	90,000	88,000	6,000	83,000
Environmental life sciences	104,000	85,000	28,000	14,000	43,000	D	19,000
Computer and mathematical sciences	1,234,000	985,000	642,000	163,000	181,000	43,000	205,000
Computer and information sciences	972,000	795,000	547,000	131,000	118,000	32,000	144,000
Mathematics and statistics	262,000	190,000	95,000	32,000	63,000	S	61,000
Physical and related sciences	225,000	194,000	113,000	39,000	41,000	2,000	28,000
Chemistry, except biochemistry	76,000	65,000	33,000	13,000	18,000	*	10,000
Earth, atmospheric, and ocean sciences	80,000	68,000	43,000	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	1,656,000	1,262,000	202,000	168,000	892,000	39,000	355,000
Economics	147,000	115,000	37,000	4,000	74,000	4,000	28,000
Political and related sciences	296,000	255,000	51,000	13,000	192,000	S	38,000
Psychology	896,000	655,000	65,000	128,000	463,000	23,000	218,000
Sociology and anthropology	136,000	94,000	25,000	9,000	60,000	S	42,000
Other social sciences	180,000	143,000	25,000	14,000	103,000	S	29,000
Engineering	1,262,000	1,072,000	661,000	223,000	188,000	16,000	174,000
Aerospace, aeronautical, and astronautical engineering	56,000	48,000	31,000	9,000	8,000	D	8,000
Chemical engineering	45,000	35,000	20,000	7,000	7,000	D	9,000
Civil and architectural engineering	160,000	134,000	83,000	25,000	27,000	D	25,000
Electrical and computer engineering	484,000	413,000	262,000	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	241,000	200,000	121,000	40,000	40,000	4,000	36,000
S&E-related fields	2,882,000	2,334,000	202,000	1,536,000	596,000	41,000	507,000
Health	2,134,000	1,727,000	97,000	1,277,000	354,000	29,000	378,000
Science and mathematics teacher education	357,000	279,000	20,000	127,000	132,000	S	77,000
Technology and technical fields	148,000	116,000	61,000	31,000	25,000	5,000	27,000
Other S&E-related fields	243,000	212,000	25,000	102,000	85,000	5,000	25,000
Non-S&E fields	12,241,000	9,455,000	621,000	819,000	8,015,000	201,000	2,585,000
Management and administration fields	4,302,000	3,474,000	389,000	346,000	2,739,000	77,000	752,000
Education, except science and math teacher education	4,083,000	2,964,000	39,000	270,000	2,654,000	37,000	1,082,000
Social service and related fields	1,090,000	884,000	23,000	59,000	802,000	14,000	192,000
Sales and marketing fields	334,000	260,000	20,000	8,000	232,000	S	67,000
Art and humanities fields	1,002,000	739,000	39,000	52,000	648,000	22,000	241,000
Other non-S&E fields	1,431,000	1,134,000	110,000	84,000	940,000	45,000	251,000
Doctorate	2,976,000	2,488,000	995,000	576,000	917,000	46,000	441,000
S&E fields	1,654,000	1,393,000	867,000	260,000	266,000	29,000	232,000
Biological, agricultural, and environmental life sciences	480,000	412,000	241,000	93,000	79,000	5,000	62,000
Agricultural and food sciences	32,000	26,000	12,000	S	7,000	D	6,000
Biological sciences	435,000	376,000	221,000	85,000	70,000	5,000	54,000
Environmental life sciences	12,000	10,000	7,000	S	S	D	S
Computer and mathematical sciences	159,000	143,000	112,000	12,000	19,000	1,000	15,000
Computer and information sciences	92,000	84,000	64,000	9,000	11,000	*	7,000
Mathematics and statistics	67,000	59,000	48,000	3,000	8,000	*	7,000
Physical and related sciences	254,000	219,000	155,000	28,000	37,000	4,000	31,000
Chemistry, except biochemistry	118,000	97,000	62,000	13,000	22,000	3,000	18,000
Earth, atmospheric, and ocean sciences	42,000	37,000	31,000	2,000	4,000	D	5,000
Physics and astronomy	88,000	81,000	60,000	11,000	10,000	*	7,000
Other physical sciences	5,000	4,000	2,000	D	D	D	S
Social and related sciences	420,000	317,000	157,000	72,000	88,000	13,000	90,000
Economics	50,000	36,000	25,000	*	11,000	D	12,000
Political and related sciences	45,000	30,000	19,000	2,000	9,000	D	13,000
Psychology	215,000	166,000	65,000	66,000	35,000	S	41,000
Sociology and anthropology	58,000	40,000	29,000	1,000	10,000	D	16,000
Other social sciences	53,000	45,000	18,000	3,000	24,000	D	7,000

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		
Engineering	342,000	300,000	202,000	56,000	42,000	35,000
Aerospace, aeronautical, and astronautical engineering	13,000	13,000	9,000	2,000	S	D
Chemical engineering	37,000	32,000	17,000	9,000	6,000	5,000
Civil and architectural engineering	32,000	27,000	22,000	2,000	3,000	4,000
Electrical and computer engineering	104,000	92,000	60,000	19,000	13,000	10,000
Industrial engineering	17,000	14,000	8,000	S	2,000	4,000
Mechanical engineering	48,000	44,000	32,000	6,000	6,000	3,000
Other engineering	91,000	79,000	54,000	15,000	10,000	10,000
S&E-related fields	434,000	384,000	57,000	268,000	59,000	50,000
Health	395,000	354,000	43,000	265,000	46,000	41,000
Science and mathematics teacher education	20,000	14,000	4,000	*	9,000	S
Technology and technical fields	12,000	9,000	5,000	S	S	S
Other S&E-related fields	7,000	7,000	4,000	D	2,000	D
Non-S&E fields	888,000	712,000	71,000	48,000	593,000	159,000
Management and administration fields	82,000	69,000	5,000	S	59,000	11,000
Education, except science and math teacher education	342,000	271,000	13,000	23,000	234,000	68,000
Social service and related fields	130,000	93,000	13,000	S	78,000	27,000
Sales and marketing fields	7,000	7,000	D	D	7,000	D
Art and humanities fields	226,000	190,000	8,000	S	172,000	36,000
Other non-S&E fields	101,000	82,000	33,000	S	43,000	16,000
Professional	4,214,000	3,543,000	71,000	1,766,000	1,705,000	621,000
S&E fields	73,000	62,000	13,000	29,000	20,000	11,000
S&E-related fields	2,132,000	1,816,000	24,000	1,698,000	94,000	292,000
Non-S&E fields	2,009,000	1,665,000	34,000	39,000	1,591,000	317,000

* = 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.