National Center for Science and Engineering Statistics

National Survey of College Graduates: 2021

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General Notes

The National Survey of College Graduates, conducted by the National Center for Science and Engineering Statistics within the National Science Foundation, is a repeated cross-sectional biennial survey that collects information on the nation's college-educated workforce. This survey is a unique source for examining the relationship between degree field and occupation, as well as for examining other characteristics of college-educated individuals, including work activities, salary, and demographic information.

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College graduates, by level of highest degree, minor field of highest degree, and labor force status: 2021

(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	68,593,000	51,764,000	7,894,000	9,522,000	34,349,000	3,160,000	13,669,000
S&E fields	21,357,000	16,408,000	6,059,000	2,405,000	7,944,000	939,000	4,011,000
Biological, agricultural, and environmental life sciences	3,433,000	2,570,000	768,000	667,000	1,136,000	150,000	714,000
Agricultural and food sciences	406,000	308,000	73,000	40,000	195,000	12,000	86,000
Biological sciences	2,612,000	1,937,000	610,000	591,000	737,000	120,000	555,000
Environmental life sciences	416,000	325,000	85,000	36,000	204,000	18,000	74,000
Computer and mathematical sciences	3,897,000	3,147,000	1,795,000	463,000	889,000	166,000	584,000
Computer and information sciences	2,991,000	2,493,000	1,556,000	324,000	614,000	136,000	362,000
Mathematics and statistics	906,000	654,000	239,000	140,000	276,000	30,000	222,000
Physical and related sciences	1,172,000	906,000	461,000	148,000	297,000	41,000	225,000
Chemistry, except biochemistry	493,000	376,000	189,000	75,000	113,000	16,000	101,000
Earth, atmospheric, and ocean sciences	328,000	263,000	120,000	31,000	112,000	9,000	56,000
Physics and astronomy	315,000	240,000	146,000	34,000	61,000	15,000	60,000
Other physical sciences	35,000	26,000	6,000	8,000	11,000	S	8,000
Social and related sciences	7,913,000	5,774,000	758,000	486,000	4,529,000	410,000	1,730,000
Economics	1,143,000	869,000	123,000	37,000	708,000	38,000	236,000
Political and related sciences	1,415,000	1,039,000	115,000	67,000	858,000	83,000	293,000
Psychology	3,232,000	2,336,000	337,000	238,000	1,761,000	165,000	731,000
Sociology and anthropology	1,315,000	929,000	112,000	73,000	744,000	74,000	312,000
Other social sciences	807,000	600,000	71,000	71,000	458,000	49,000	158,000
Engineering	4,942,000	4,011,000	2,277,000	641,000	1,093,000	173,000	759,000
Aerospace, aeronautical, and astronautical engineering	189,000	145,000	84,000	18,000	43,000	5,000	39,000
Chemical engineering	331,000	269,000	148,000	37,000	84,000	10,000	52,000
Civil and architectural engineering	663,000	543,000	296,000	96,000	151,000	11,000	110,000
Electrical and computer engineering	1,723,000	1,409,000	885,000	245,000	278,000	63,000	251,000
Industrial engineering	305,000	230,000	82,000	41,000	107,000	12,000	62,000
Mechanical engineering	1,014,000	848,000	500,000	110,000	238,000	36,000	130,000
Other engineering	717,000	567,000	283,000	93,000	191,000	35,000	115,000
S&E-related fields	9,841,000	7,822,000	439,000	5,519,000	1,863,000	265,000	1,754,000
Health	7,912,000	6,364,000	190,000	4,983,000	1,191,000	212,000	1,335,000
Science and mathematics teacher education	637,000	429,000	30,000	223,000	175,000	11,000	197,000
Technology and technical fields	638,000	488,000	170,000	92,000	226,000	22,000	128,000
Other S&E-related fields	654,000	541,000	48,000	221,000	271,000	19,000	94,000
Non-S&E fields	37,395,000	27,535,000	1,396,000	1,597,000	24,541,000	1,956,000	7,904,000
Management and administration fields	12,410,000	9,480,000	647,000	527,000	8,305,000	663,000	2,268,000
Education, except science and math teacher education	7,473,000	5,019,000	94,000	441,000	4,484,000	179,000	2,275,000
Social service and related fields	1,996,000	1,466,000	77,000	65,000	1,324,000	113,000	418,000
Sales and marketing fields	1,652,000	1,293,000	61,000	62,000	1,169,000	69,000	290,000
Art and humanities fields	6,317,000	4,526,000	273,000	299,000	3,954,000	452,000	1,340,000
Other non-S&E fields	7,546,000	5,752,000	244,000	203,000	5,305,000	480,000	1,314,000
Bachelor's	42,870,000	31,688,000	4,438,000	5,031,000	22,219,000	2,349,000	8,832,000

TABLE 1-1

College graduates, by level of highest degree, minor field of highest degree, and labor force status: 2021

(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		
S&E fields	15,014,000	11,377,000	3,499,000	1,692,000	6,187,000	719,000	2,918,000
Biological, agricultural, and environmental life sciences	2,440,000	1,773,000	371,000	489,000	913,000	125,000	542,000
Agricultural and food sciences	320,000	239,000	39,000	33,000	167,000	S	69,000
Biological sciences	1,824,000	1,301,000	281,000	433,000	587,000	100,000	422,000
Environmental life sciences	297,000	232,000	51,000	23,000	159,000	14,000	51,000
Computer and mathematical sciences	2,623,000	2,133,000	1,137,000	321,000	675,000	106,000	384,000
Computer and information sciences	1,994,000	1,694,000	1,024,000	214,000	456,000	85,000	216,000
Mathematics and statistics	628,000	440,000	113,000	107,000	219,000	21,000	168,000
Physical and related sciences	692,000	517,000	199,000	99,000	218,000	31,000	144,000
Chemistry, except biochemistry	301,000	221,000	93,000	55,000	73,000	12,000	68,000
Earth, atmospheric, and ocean sciences	213,000	172,000	54,000	24,000	94,000	5,000	37,000
Physics and astronomy	154,000	106,000	49,000	16,000	40,000	12,000	35,000
Other physical sciences	23,000	17,000	S	4,000	11,000	S	S
Social and related sciences	5,858,000	4,229,000	321,000	353,000	3,554,000	326,000	1,303,000
Economics	937,000	714,000	67,000	34,000	613,000	34,000	189,000
Political and related sciences	1,088,000	777,000	52,000	53,000	671,000	72,000	239,000
Psychology	2,112,000	1,521,000	108,000	146,000	1,267,000	113,000	478,000
Sociology and anthropology	1,132,000	800,000	54,000	66,000	680,000	64,000	268,000
Other social sciences	589,000	417,000	39,000	55,000	323,000	43,000	128,000
Engineering	3,402,000	2,725,000	1,470,000	428,000	827,000	131,000	546,000
Aerospace, aeronautical, and astronautical engineering	114,000	86,000	47,000	9,000	30,000	4,000	23,000
Chemical engineering	248,000	202,000	112,000	25,000	65,000	7,000	38,000
Civil and architectural engineering	497,000	395,000	194,000	73,000	128,000	9,000	93,000
Electrical and computer engineering	1,145,000	924,000	569,000	156,000	198,000	50,000	171,000
Industrial engineering	209,000	154,000	46,000	26,000	82,000	S	45,000
Mechanical engineering	799,000	660,000	372,000	85,000	203,000	29,000	110,000
Other engineering	391,000	304,000	130,000	52,000	121,000	23,000	64,000
S&E-related fields	5,017,000	3,821,000	203,000	2,494,000	1,123,000	149,000	1,048,000
Health	3,814,000	2,912,000	57,000	2,187,000	669,000	114,000	788,000
Science and mathematics teacher education	270,000	171,000	S	90,000	70,000	S	95,000
Technology and technical fields	512,000	393,000	117,000	77,000	198,000	17,000	102,000
Other S&E-related fields	421,000	344,000	18,000	141,000	186,000	13,000	63,000
Non-S&E fields	22,838,000	16,491,000	736,000	845,000	14,909,000	1,481,000	4,866,000
Management and administration fields	8,222,000	6,113,000	292,000	263,000	5,558,000	488,000	1,621,000
Education, except science and math teacher education	3,067,000	1,960,000	32,000	140,000	1,788,000	86,000	1,021,000
Social service and related fields	790,000	542,000	26,000	18,000	498,000	59,000	189,000
Sales and marketing fields	1,338,000	1,078,000	44,000	51,000	982,000	50,000	210,000
Art and humanities fields	5,089,000	3,626,000	231,000	251,000	3,145,000	409,000	1,055,000
Other non-S&E fields	4,332,000	3,172,000	112,000	122,000	2,938,000	390,000	771,000

TABLE 1-1

College graduates, by level of highest degree, minor field of highest degree, and labor force status: 2021

(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		
Master's	19,296,000	14,688,000	2,411,000	2,578,000	9,699,000	673,000	3,934,000
S&E fields	4,703,000	3,680,000	1,671,000	552,000	1,457,000	180,000	842,000
Biological, agricultural, and environmental life sciences	547,000	417,000	157,000	104,000	157,000	16,000	114,000
Agricultural and food sciences	56,000	46,000	20,000	6,000	20,000	D	10,000
Biological sciences	380,000	286,000	107,000	85,000	93,000	12,000	82,000
Environmental life sciences	110,000	86,000	29,000	13,000	43,000	3,000	22,000
Computer and mathematical sciences	1,125,000	888,000	560,000	132,000	195,000	56,000	181,000
Computer and information sciences	918,000	732,000	481,000	102,000	148,000	51,000	136,000
Mathematics and statistics	207,000	156,000	79,000	30,000	47,000	S	46,000
Physical and related sciences	223,000	174,000	106,000	29,000	39,000	4,000	45,000
Chemistry, except biochemistry	73,000	57,000	28,000	11,000	19,000	1,000	14,000
Earth, atmospheric, and ocean sciences	73,000	59,000	39,000	6,000	14,000	1,000	13,000
Physics and astronomy	69,000	52,000	37,000	9,000	6,000	2,000	16,000
Other physical sciences	8,000	6,000	S	S	1,000	D	S
Social and related sciences	1,569,000	1,171,000	212,000	109,000	850,000	70,000	327,000
Economics	151,000	114,000	30,000	2,000	81,000	3,000	35,000
Political and related sciences	277,000	231,000	46,000	12,000	173,000	6,000	41,000
Psychology	848,000	602,000	96,000	73,000	433,000	49,000	198,000
Sociology and anthropology	122,000	82,000	22,000	7,000	53,000	8,000	32,000
Other social sciences	171,000	142,000	18,000	15,000	110,000	6,000	23,000
Engineering	1,239,000	1,030,000	635,000	178,000	216,000	34,000	175,000
Aerospace, aeronautical, and astronautical engineering	63,000	48,000	29,000	7,000	12,000	D	14,000
Chemical engineering	46,000	38,000	19,000	7,000	11,000	S	6,000
Civil and architectural engineering	144,000	126,000	85,000	21,000	20,000	2,000	16,000
Electrical and computer engineering	483,000	406,000	262,000	76,000	68,000	11,000	67,000
Industrial engineering	83,000	66,000	31,000	12,000	22,000	2,000	15,000
Mechanical engineering	183,000	159,000	107,000	23,000	30,000	7,000	16,000
Other engineering	238,000	188,000	102,000	32,000	54,000	9,000	41,000
S&E-related fields	2,644,000	2,080,000	156,000	1,327,000	598,000	79,000	484,000
Health	1,960,000	1,561,000	65,000	1,102,000	394,000	63,000	335,000
Science and mathematics teacher education	344,000	244,000	14,000	133,000	97,000	S	95,000
Technology and technical fields	114,000	86,000	48,000	13,000	25,000	S	24,000
Other S&E-related fields	226,000	189,000	28,000	80,000	81,000	6,000	31,000
Non-S&E fields	11,950,000	8,928,000	584,000	699,000	7,644,000	414,000	2,608,000
Management and administration fields	4,118,000	3,311,000	349,000	262,000	2,700,000	169,000	638,000
Education, except science and math teacher education	4,167,000	2,888,000	53,000	285,000	2,550,000	88,000	1,191,000
Social service and related fields	1,084,000	841,000	39,000	45,000	757,000	43,000	200,000
Sales and marketing fields	307,000	210,000	17,000	11,000	183,000	19,000	78,000
Art and humanities fields	1,036,000	740,000	38,000	48,000	654,000	43,000	253,000

TABLE 1-1

College graduates, by level of highest degree, minor field of highest degree, and labor force status: 2021

(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		
Other non-S&E fields	1,239,000	938,000	89,000	49,000	800,000	53,000	248,000
Doctorate	2,643,000	2,141,000	962,000	374,000	805,000	74,000	429,000
S&E fields	1,582,000	1,302,000	861,000	157,000	285,000	38,000	241,000
Biological, agricultural, and environmental life sciences	447,000	380,000	240,000	74,000	66,000	9,000	58,000
Agricultural and food sciences	30,000	23,000	14,000	1,000	8,000	S	6,000
Biological sciences	408,000	350,000	221,000	72,000	56,000	7,000	51,000
Environmental life sciences	9,000	7,000	5,000	*	S	D	D
Computer and mathematical sciences	149,000	127,000	98,000	10,000	19,000	4,000	19,000
Computer and information sciences	78,000	68,000	51,000	7,000	10,000	*	10,000
Mathematics and statistics	71,000	59,000	47,000	3,000	9,000	3,000	9,000
Physical and related sciences	257,000	215,000	155,000	20,000	40,000	6,000	36,000
Chemistry, except biochemistry	119,000	97,000	68,000	9,000	21,000	2,000	19,000
Earth, atmospheric, and ocean sciences	42,000	33,000	27,000	S	4,000	D	S
Physics and astronomy	93,000	82,000	59,000	9,000	15,000	1,000	10,000
Other physical sciences	3,000	2,000	1,000	D	D	D	D
Social and related sciences	428,000	325,000	196,000	19,000	110,000	13,000	90,000
Economics	55,000	42,000	26,000	S	15,000	1,000	13,000
Political and related sciences	51,000	32,000	16,000	S	14,000	S	13,000
Psychology	214,000	165,000	105,000	15,000	46,000	3,000	46,000
Sociology and anthropology	61,000	46,000	36,000	D	10,000	S	12,000
Other social sciences	47,000	40,000	14,000	S	26,000	D	6,000
Engineering	301,000	256,000	171,000	34,000	50,000	8,000	38,000
Aerospace, aeronautical, and astronautical engineering	13,000	11,000	7,000	S	S	D	S
Chemical engineering	38,000	30,000	17,000	5,000	8,000	1,000	7,000
Civil and architectural engineering	23,000	22,000	17,000	1,000	3,000	D	1,000
Electrical and computer engineering	94,000	79,000	54,000	13,000	12,000	2,000	13,000
Industrial engineering	13,000	11,000	5,000	S	4,000	D	2,000
Mechanical engineering	33,000	29,000	21,000	2,000	6,000	*	4,000
Other engineering	87,000	75,000	51,000	9,000	16,000	3,000	9,000
S&E-related fields	355,000	304,000	51,000	192,000	61,000	11,000	39,000
Health	312,000	275,000	40,000	189,000	46,000	S	29,000
Science and mathematics teacher education	24,000	14,000	5,000	1,000	8,000	D	8,000
Technology and technical fields	12,000	9,000	5,000	2,000	S	D	S
Other S&E-related fields	7,000	7,000	2,000	D	4,000	D	D
Non-S&E fields	707,000	534,000	50,000	25,000	459,000	24,000	148,000
Management and administration fields	71,000	56,000	6,000	D	48,000	6,000	10,000
Education, except science and math teacher education	239,000	171,000	9,000	17,000	145,000	S	63,000
Social service and related fields	122,000	83,000	13,000	S	68,000	10,000	29,000
Sales and marketing fields	6,000	4,000	D	D	4,000	D	D

TABLE 1-1

College graduates, by level of highest degree, minor field of highest degree, and labor force status: 2021

(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		
Art and humanities fields	193,000	160,000	5,000	1,000	155,000	D	32,000
Other non-S&E fields	75,000	60,000	18,000	S	38,000	D	14,000
Professional	3,784,000	3,246,000	82,000	1,538,000	1,626,000	63,000	474,000
S&E fields	58,000	49,000	28,000	S	16,000	D	9,000
S&E-related fields	1,825,000	1,616,000	29,000	1,506,000	82,000	26,000	183,000
Non-S&E fields	1,900,000	1,582,000	25,000	28,000	1,528,000	37,000	282,000

* = 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 the 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, 2021.

TABLE 1-2

Employed college graduates, by level of highest degree, minor field of highest degree, and major occupation: 2021

(Number)

Level and field of highest degree	Total	S&E occupations						S&E-related occupations	Non-S&E occupations
		Total	Biological, agricultural, and other life scientists	Computer and mathematical scientists	Physical and related scientists	Social and related scientists	Engineers		
All degrees	51,764,000	7,894,000	794,000	4,031,000	408,000	712,000	1,949,000	9,522,000	34,349,000
S&E fields	16,408,000	6,059,000	651,000	2,848,000	374,000	499,000	1,686,000	2,405,000	7,944,000
Biological, agricultural, and environmental life sciences	2,570,000	768,000	537,000	103,000	80,000	18,000	30,000	667,000	1,136,000
Agricultural and food sciences	308,000	73,000	59,000	S	5,000	D	3,000	40,000	195,000
Biological sciences	1,937,000	610,000	443,000	88,000	50,000	13,000	16,000	591,000	737,000
Environmental life sciences	325,000	85,000	35,000	10,000	25,000	4,000	11,000	36,000	204,000
Computer and mathematical sciences	3,147,000	1,795,000	7,000	1,724,000	3,000	10,000	51,000	463,000	889,000
Computer and information sciences	2,493,000	1,556,000	S	1,506,000	S	5,000	39,000	324,000	614,000
Mathematics and statistics	654,000	239,000	3,000	217,000	1,000	S	12,000	140,000	276,000
Physical and related sciences	906,000	461,000	54,000	91,000	254,000	4,000	58,000	148,000	297,000
Chemistry, except biochemistry	376,000	189,000	42,000	27,000	96,000	2,000	22,000	75,000	113,000
Earth, atmospheric, and ocean sciences	263,000	120,000	7,000	11,000	88,000	S	13,000	31,000	112,000
Physics and astronomy	240,000	146,000	4,000	51,000	67,000	S	23,000	34,000	61,000
Other physical sciences	26,000	6,000	S	S	S	D	S	8,000	11,000
Social and related sciences	5,774,000	758,000	22,000	239,000	10,000	462,000	25,000	486,000	4,529,000
Economics	869,000	123,000	2,000	60,000	S	54,000	6,000	37,000	708,000
Political and related sciences	1,039,000	115,000	1,000	44,000	S	63,000	7,000	67,000	858,000
Psychology	2,336,000	337,000	10,000	68,000	S	253,000	4,000	238,000	1,761,000
Sociology and anthropology	929,000	112,000	4,000	37,000	1,000	66,000	4,000	73,000	744,000
Other social sciences	600,000	71,000	5,000	29,000	6,000	26,000	4,000	71,000	458,000
Engineering	4,011,000	2,277,000	31,000	692,000	27,000	5,000	1,522,000	641,000	1,093,000
Aerospace, aeronautical, and astronautical engineering	145,000	84,000	D	12,000	D	D	71,000	18,000	43,000
Chemical engineering	269,000	148,000	7,000	24,000	7,000	D	110,000	37,000	84,000
Civil and architectural engineering	543,000	296,000	*	22,000	2,000	S	270,000	96,000	151,000

TABLE 1-2

Employed college graduates, by level of highest degree, minor field of highest degree, and major occupation: 2021

(Number)

Level and field of highest degree	Total	S&E occupations						S&E-related occupations	Non-S&E occupations
		Total	Biological, agricultural, and other life scientists	Computer and mathematical scientists	Physical and related scientists	Social and related scientists	Engineers		
Electrical and computer engineering	1,409,000	885,000	2,000	504,000	4,000	S	372,000	245,000	278,000
Industrial engineering	230,000	82,000	D	28,000	D	D	53,000	41,000	107,000
Mechanical engineering	848,000	500,000	S	62,000	1,000	D	434,000	110,000	238,000
Other engineering	567,000	283,000	20,000	39,000	13,000	D	211,000	93,000	191,000
S&E-related fields	7,822,000	439,000	99,000	189,000	14,000	52,000	86,000	5,519,000	1,863,000
Health	6,364,000	190,000	92,000	55,000	10,000	27,000	7,000	4,983,000	1,191,000
Science and mathematics teacher education	429,000	30,000	4,000	15,000	2,000	S	S	223,000	175,000
Technology and technical fields	488,000	170,000	*	106,000	1,000	S	62,000	92,000	226,000
Other S&E-related fields	541,000	48,000	S	12,000	S	16,000	16,000	221,000	271,000
Non-S&E fields	27,535,000	1,396,000	44,000	995,000	21,000	160,000	177,000	1,597,000	24,541,000
Management and administration fields	9,480,000	647,000	10,000	478,000	4,000	24,000	131,000	527,000	8,305,000
Education, except science and math teacher education	5,019,000	94,000	2,000	62,000	S	22,000	6,000	441,000	4,484,000
Social service and related fields	1,466,000	77,000	D	38,000	D	35,000	4,000	65,000	1,324,000
Sales and marketing fields	1,293,000	61,000	D	52,000	D	S	7,000	62,000	1,169,000
Art and humanities fields	4,526,000	273,000	2,000	234,000	S	20,000	13,000	299,000	3,954,000
Other non-S&E fields	5,752,000	244,000	30,000	131,000	11,000	57,000	16,000	203,000	5,305,000
Bachelor's	31,688,000	4,438,000	295,000	2,574,000	177,000	170,000	1,222,000	5,031,000	22,219,000
S&E fields	11,377,000	3,499,000	257,000	1,866,000	162,000	116,000	1,097,000	1,692,000	6,187,000
Biological, agricultural, and environmental life sciences	1,773,000	371,000	212,000	75,000	51,000	10,000	22,000	489,000	913,000
Agricultural and food sciences	239,000	39,000	29,000	S	S	D	S	33,000	167,000
Biological sciences	1,301,000	281,000	163,000	64,000	34,000	8,000	12,000	433,000	587,000
Environmental life sciences	232,000	51,000	20,000	7,000	15,000	S	7,000	23,000	159,000
Computer and mathematical sciences	2,133,000	1,137,000	D	1,096,000	1,000	S	35,000	321,000	675,000
Computer and information sciences	1,694,000	1,024,000	D	996,000	D	S	26,000	214,000	456,000
Mathematics and statistics	440,000	113,000	D	100,000	*	S	8,000	107,000	219,000

TABLE 1-2

Employed college graduates, by level of highest degree, minor field of highest degree, and major occupation: 2021

(Number)

Level and field of highest degree	Total	S&E occupations						S&E-related occupations	Non-S&E occupations
		Total	Biological, agricultural, and other life scientists	Computer and mathematical scientists	Physical and related scientists	Social and related scientists	Engineers		
Physical and related sciences	517,000	199,000	26,000	45,000	96,000	2,000	30,000	99,000	218,000
Chemistry, except biochemistry	221,000	93,000	20,000	18,000	41,000	2,000	12,000	55,000	73,000
Earth, atmospheric, and ocean sciences	172,000	54,000	S	8,000	36,000	D	7,000	24,000	94,000
Physics and astronomy	106,000	49,000	2,000	19,000	18,000	D	11,000	16,000	40,000
Other physical sciences	17,000	S	D	D	D	D	D	4,000	11,000
Social and related sciences	4,229,000	321,000	11,000	188,000	7,000	95,000	21,000	353,000	3,554,000
Economics	714,000	67,000	*	49,000	D	11,000	6,000	34,000	613,000
Political and related sciences	777,000	52,000	D	31,000	D	15,000	6,000	53,000	671,000
Psychology	1,521,000	108,000	6,000	57,000	D	41,000	3,000	146,000	1,267,000
Sociology and anthropology	800,000	54,000	2,000	33,000	D	15,000	4,000	66,000	680,000
Other social sciences	417,000	39,000	S	18,000	4,000	13,000	3,000	55,000	323,000
Engineering	2,725,000	1,470,000	9,000	462,000	8,000	S	989,000	428,000	827,000
Aerospace, aeronautical, and astronautical engineering	86,000	47,000	D	10,000	D	D	38,000	9,000	30,000
Chemical engineering	202,000	112,000	3,000	20,000	2,000	D	87,000	25,000	65,000
Civil and architectural engineering	395,000	194,000	D	17,000	*	D	176,000	73,000	128,000
Electrical and computer engineering	924,000	569,000	D	338,000	S	D	227,000	156,000	198,000
Industrial engineering	154,000	46,000	D	13,000	D	D	32,000	26,000	82,000
Mechanical engineering	660,000	372,000	D	44,000	D	D	327,000	85,000	203,000
Other engineering	304,000	130,000	4,000	20,000	3,000	D	103,000	52,000	121,000
S&E-related fields	3,821,000	203,000	20,000	100,000	7,000	S	62,000	2,494,000	1,123,000
Health	2,912,000	57,000	20,000	22,000	6,000	5,000	S	2,187,000	669,000
Science and mathematics teacher education	171,000	S	D	S	D	D	D	90,000	70,000
Technology and technical fields	393,000	117,000	D	67,000	1,000	D	50,000	77,000	198,000
Other S&E-related fields	344,000	18,000	D	S	D	S	7,000	141,000	186,000
Non-S&E fields	16,491,000	736,000	17,000	608,000	8,000	40,000	64,000	845,000	14,909,000

TABLE 1-2

Employed college graduates, by level of highest degree, minor field of highest degree, and major occupation: 2021

(Number)

Level and field of highest degree	Total	S&E occupations						S&E-related occupations	Non-S&E occupations
		Total	Biological, agricultural, and other life scientists	Computer and mathematical scientists	Physical and related scientists	Social and related scientists	Engineers		
Management and administration fields	6,113,000	292,000	6,000	245,000	1,000	S	35,000	263,000	5,558,000
Education, except science and math teacher education	1,960,000	32,000	D	25,000	D	S	2,000	140,000	1,788,000
Social service and related fields	542,000	26,000	D	16,000	D	7,000	S	18,000	498,000
Sales and marketing fields	1,078,000	44,000	D	37,000	D	S	S	51,000	982,000
Art and humanities fields	3,626,000	231,000	S	205,000	S	S	9,000	251,000	3,145,000
Other non-S&E fields	3,172,000	112,000	9,000	80,000	4,000	S	9,000	122,000	2,938,000
Master's	14,688,000	2,411,000	188,000	1,251,000	105,000	283,000	584,000	2,578,000	9,699,000
S&E fields	3,680,000	1,671,000	137,000	815,000	89,000	175,000	455,000	552,000	1,457,000
Biological, agricultural, and environmental life sciences	417,000	157,000	112,000	14,000	20,000	4,000	7,000	104,000	157,000
Agricultural and food sciences	46,000	20,000	17,000	D	S	D	S	6,000	20,000
Biological sciences	286,000	107,000	82,000	10,000	10,000	S	3,000	85,000	93,000
Environmental life sciences	86,000	29,000	13,000	3,000	8,000	S	4,000	13,000	43,000
Computer and mathematical sciences	888,000	560,000	2,000	539,000	S	4,000	14,000	132,000	195,000
Computer and information sciences	732,000	481,000	1,000	465,000	D	S	12,000	102,000	148,000
Mathematics and statistics	156,000	79,000	1,000	74,000	D	S	2,000	30,000	47,000
Physical and related sciences	174,000	106,000	10,000	25,000	58,000	S	12,000	29,000	39,000
Chemistry, except biochemistry	57,000	28,000	8,000	S	13,000	D	4,000	11,000	19,000
Earth, atmospheric, and ocean sciences	59,000	39,000	1,000	3,000	29,000	D	5,000	6,000	14,000
Physics and astronomy	52,000	37,000	D	20,000	15,000	D	3,000	9,000	6,000
Other physical sciences	6,000	S	D	D	S	D	D	S	1,000
Social and related sciences	1,171,000	212,000	2,000	42,000	2,000	163,000	3,000	109,000	850,000
Economics	114,000	30,000	D	10,000	D	19,000	*	2,000	81,000
Political and related sciences	231,000	46,000	D	12,000	D	32,000	1,000	12,000	173,000
Psychology	602,000	96,000	1,000	7,000	D	86,000	D	73,000	433,000

TABLE 1-2

Employed college graduates, by level of highest degree, minor field of highest degree, and major occupation: 2021

(Number)

Level and field of highest degree	Total	S&E occupations						S&E-related occupations	Non-S&E occupations
		Total	Biological, agricultural, and other life scientists	Computer and mathematical scientists	Physical and related scientists	Social and related scientists	Engineers		
Sociology and anthropology	82,000	22,000	D	3,000	D	18,000	D	7,000	53,000
Other social sciences	142,000	18,000	D	9,000	1,000	7,000	*	15,000	110,000
Engineering	1,030,000	635,000	11,000	195,000	8,000	S	418,000	178,000	216,000
Aerospace, aeronautical, and astronautical engineering	48,000	29,000	D	2,000	D	D	27,000	7,000	12,000
Chemical engineering	38,000	19,000	1,000	3,000	S	D	15,000	7,000	11,000
Civil and architectural engineering	126,000	85,000	D	4,000	1,000	D	78,000	21,000	20,000
Electrical and computer engineering	406,000	262,000	S	147,000	S	D	113,000	76,000	68,000
Industrial engineering	66,000	31,000	D	11,000	D	D	19,000	12,000	22,000
Mechanical engineering	159,000	107,000	D	16,000	*	D	90,000	23,000	30,000
Other engineering	188,000	102,000	9,000	13,000	5,000	D	76,000	32,000	54,000
S&E-related fields	2,080,000	156,000	28,000	72,000	5,000	31,000	20,000	1,327,000	598,000
Health	1,561,000	65,000	23,000	21,000	2,000	18,000	S	1,102,000	394,000
Science and mathematics teacher education	244,000	14,000	S	9,000	2,000	*	D	133,000	97,000
Technology and technical fields	86,000	48,000	D	37,000	D	S	10,000	13,000	25,000
Other S&E-related fields	189,000	28,000	D	5,000	S	12,000	8,000	80,000	81,000
Non-S&E fields	8,928,000	584,000	23,000	364,000	11,000	77,000	109,000	699,000	7,644,000
Management and administration fields	3,311,000	349,000	4,000	231,000	3,000	17,000	95,000	262,000	2,700,000
Education, except science and math teacher education	2,888,000	53,000	1,000	34,000	S	13,000	S	285,000	2,550,000
Social service and related fields	841,000	39,000	D	S	D	16,000	1,000	45,000	757,000
Sales and marketing fields	210,000	17,000	D	15,000	D	D	D	11,000	183,000
Art and humanities fields	740,000	38,000	D	27,000	D	8,000	3,000	48,000	654,000
Other non-S&E fields	938,000	89,000	18,000	37,000	5,000	23,000	6,000	49,000	800,000
Doctorate	2,141,000	962,000	291,000	185,000	125,000	221,000	141,000	374,000	805,000
S&E fields	1,302,000	861,000	256,000	167,000	122,000	181,000	134,000	157,000	285,000

TABLE 1-2

Employed college graduates, by level of highest degree, minor field of highest degree, and major occupation: 2021

(Number)

Level and field of highest degree	Total	S&E occupations						S&E-related occupations	Non-S&E occupations
		Total	Biological, agricultural, and other life scientists	Computer and mathematical scientists	Physical and related scientists	Social and related scientists	Engineers		
Biological, agricultural, and environmental life sciences	380,000	240,000	213,000	14,000	9,000	3,000	1,000	74,000	66,000
Agricultural and food sciences	23,000	14,000	13,000	*	D	D	D	1,000	8,000
Biological sciences	350,000	221,000	198,000	14,000	7,000	3,000	S	72,000	56,000
Environmental life sciences	7,000	5,000	S	D	2,000	1,000	D	*	S
Computer and mathematical sciences	127,000	98,000	4,000	89,000	S	1,000	2,000	10,000	19,000
Computer and information sciences	68,000	51,000	S	46,000	D	*	S	7,000	10,000
Mathematics and statistics	59,000	47,000	S	44,000	*	D	S	3,000	9,000
Physical and related sciences	215,000	155,000	19,000	20,000	100,000	D	16,000	20,000	40,000
Chemistry, except biochemistry	97,000	68,000	13,000	7,000	42,000	D	6,000	9,000	21,000
Earth, atmospheric, and ocean sciences	33,000	27,000	3,000	1,000	23,000	D	*	S	4,000
Physics and astronomy	82,000	59,000	2,000	13,000	35,000	D	9,000	9,000	15,000
Other physical sciences	2,000	1,000	D	D	D	D	D	D	D
Social and related sciences	325,000	196,000	9,000	9,000	1,000	177,000	D	19,000	110,000
Economics	42,000	26,000	D	1,000	D	24,000	D	S	15,000
Political and related sciences	32,000	16,000	D	S	D	16,000	D	S	14,000
Psychology	165,000	105,000	3,000	3,000	D	98,000	D	15,000	46,000
Sociology and anthropology	46,000	36,000	1,000	S	D	33,000	D	D	10,000
Other social sciences	40,000	14,000	4,000	S	1,000	6,000	D	S	26,000
Engineering	256,000	171,000	12,000	34,000	11,000	*	114,000	34,000	50,000
Aerospace, aeronautical, and astronautical engineering	11,000	7,000	D	S	D	D	6,000	S	S
Chemical engineering	30,000	17,000	3,000	S	S	D	9,000	5,000	8,000
Civil and architectural engineering	22,000	17,000	D	1,000	D	D	16,000	1,000	3,000

TABLE 1-2

Employed college graduates, by level of highest degree, minor field of highest degree, and major occupation: 2021

(Number)

Level and field of highest degree	Total	S&E occupations						S&E-related occupations	Non-S&E occupations
		Total	Biological, agricultural, and other life scientists	Computer and mathematical scientists	Physical and related scientists	Social and related scientists	Engineers		
Electrical and computer engineering	79,000	54,000	*	20,000	1,000	D	32,000	13,000	12,000
Industrial engineering	11,000	5,000	D	4,000	D	D	2,000	S	4,000
Mechanical engineering	29,000	21,000	S	2,000	D	D	18,000	2,000	6,000
Other engineering	75,000	51,000	7,000	6,000	5,000	D	32,000	9,000	16,000
S&E-related fields	304,000	51,000	31,000	8,000	2,000	6,000	4,000	192,000	61,000
Health	275,000	40,000	30,000	3,000	2,000	3,000	D	189,000	46,000
Science and mathematics teacher education	14,000	5,000	D	3,000	D	S	D	1,000	8,000
Technology and technical fields	9,000	5,000	D	S	D	D	3,000	2,000	S
Other S&E-related fields	7,000	2,000	D	D	D	1,000	D	D	4,000
Non-S&E fields	534,000	50,000	4,000	10,000	*	34,000	3,000	25,000	459,000
Management and administration fields	56,000	6,000	D	2,000	D	S	S	D	48,000
Education, except science and math teacher education	171,000	9,000	D	3,000	D	5,000	D	17,000	145,000
Social service and related fields	83,000	13,000	D	D	D	12,000	D	S	68,000
Sales and marketing fields	4,000	D	D	D	D	D	D	D	4,000
Art and humanities fields	160,000	5,000	D	2,000	D	1,000	D	1,000	155,000
Other non-S&E fields	60,000	18,000	3,000	S	D	13,000	D	S	38,000
Professional	3,246,000	82,000	20,000	22,000	1,000	38,000	S	1,538,000	1,626,000
S&E fields	49,000	28,000	D	D	D	28,000	D	S	16,000
S&E-related fields	1,616,000	29,000	20,000	8,000	D	D	D	1,506,000	82,000
Non-S&E fields	1,582,000	25,000	D	13,000	1,000	S	S	28,000	1,528,000

* = 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, 2021.

TABLE 1-3

Relationship of highest degree to job among employed college graduates, by level of highest degree, minor field of highest degree, and broad occupation: 2021

(Number)

Level and field of highest degree	All				S&E occupations				S&E-related occupations				Non-S&E occupations			
	Total	Closely related	Somewhat related	Not related	Total	Closely related	Somewhat related	Not related	Total	Closely related	Somewhat related	Not related	Total	Closely related	Somewhat related	Not related
All degrees	51,764,000	28,026,000	13,514,000	10,224,000	7,894,000	5,150,000	1,955,000	788,000	9,522,000	7,154,000	1,507,000	861,000	34,349,000	15,722,000	10,052,000	8,575,000
S&E fields	16,408,000	8,096,000	4,724,000	3,587,000	6,059,000	4,316,000	1,370,000	373,000	2,405,000	1,395,000	691,000	319,000	7,944,000	2,386,000	2,663,000	2,895,000
Biological, agricultural, and environmental life sciences	2,570,000	1,195,000	709,000	666,000	768,000	538,000	166,000	64,000	667,000	382,000	202,000	83,000	1,136,000	275,000	341,000	519,000
Agricultural and food sciences	308,000	143,000	80,000	85,000	73,000	52,000	17,000	S	40,000	19,000	10,000	11,000	195,000	73,000	52,000	69,000
Biological sciences	1,937,000	910,000	523,000	504,000	610,000	427,000	132,000	50,000	591,000	343,000	179,000	68,000	737,000	139,000	212,000	386,000
Environmental life sciences	325,000	141,000	106,000	77,000	85,000	59,000	17,000	10,000	36,000	20,000	13,000	S	204,000	63,000	77,000	64,000
Computer and mathematical sciences	3,147,000	2,010,000	791,000	346,000	1,795,000	1,375,000	384,000	36,000	463,000	310,000	117,000	37,000	889,000	325,000	290,000	274,000
Computer and information sciences	2,493,000	1,687,000	568,000	238,000	1,556,000	1,237,000	293,000	26,000	324,000	216,000	76,000	32,000	614,000	234,000	199,000	180,000
Mathematics and statistics	654,000	323,000	223,000	108,000	239,000	139,000	91,000	10,000	140,000	94,000	41,000	S	276,000	91,000	91,000	93,000
Physical and related sciences	906,000	444,000	243,000	219,000	461,000	310,000	111,000	39,000	148,000	81,000	50,000	16,000	297,000	53,000	81,000	163,000
Chemistry, except biochemistry	376,000	204,000	108,000	64,000	189,000	134,000	37,000	18,000	75,000	44,000	26,000	5,000	113,000	27,000	45,000	41,000
Earth, atmospheric, and ocean sciences	263,000	112,000	58,000	93,000	120,000	84,000	29,000	6,000	31,000	15,000	7,000	S	112,000	13,000	21,000	78,000
Physics and astronomy	240,000	117,000	71,000	53,000	146,000	88,000	44,000	14,000	34,000	17,000	16,000	1,000	61,000	12,000	11,000	37,000
Other physical sciences	26,000	11,000	7,000	9,000	6,000	4,000	S	D	8,000	5,000	S	D	11,000	1,000	4,000	S
Social and related sciences	5,774,000	2,051,000	1,800,000	1,922,000	758,000	466,000	140,000	152,000	486,000	215,000	121,000	150,000	4,529,000	1,370,000	1,539,000	1,620,000
Economics	869,000	301,000	367,000	201,000	123,000	69,000	32,000	22,000	37,000	8,000	14,000	15,000	708,000	224,000	320,000	164,000
Political and related sciences	1,039,000	267,000	335,000	437,000	115,000	56,000	23,000	36,000	67,000	19,000	19,000	29,000	858,000	192,000	293,000	372,000
Psychology	2,336,000	1,050,000	648,000	638,000	337,000	248,000	43,000	46,000	238,000	131,000	66,000	41,000	1,761,000	671,000	539,000	551,000
Sociology and anthropology	929,000	230,000	302,000	398,000	112,000	58,000	26,000	29,000	73,000	15,000	14,000	45,000	744,000	157,000	262,000	324,000
Other social sciences	600,000	203,000	149,000	248,000	71,000	37,000	16,000	18,000	71,000	42,000	9,000	21,000	458,000	125,000	124,000	209,000
Engineering	4,011,000	2,395,000	1,181,000	434,000	2,277,000	1,626,000	569,000	82,000	641,000	407,000	201,000	33,000	1,093,000	362,000	412,000	320,000
Aerospace, aeronautical, and astronautical engineering	145,000	81,000	48,000	16,000	84,000	55,000	24,000	5,000	18,000	11,000	5,000	D	43,000	15,000	19,000	9,000
Chemical engineering	269,000	123,000	95,000	52,000	148,000	80,000	56,000	12,000	37,000	22,000	13,000	2,000	84,000	20,000	25,000	38,000
Civil and architectural engineering	543,000	364,000	111,000	68,000	296,000	243,000	37,000	16,000	96,000	70,000	19,000	8,000	151,000	52,000	56,000	44,000
Electrical and computer engineering	1,409,000	930,000	382,000	96,000	885,000	673,000	197,000	15,000	245,000	147,000	90,000	8,000	278,000	110,000	95,000	73,000
Industrial engineering	230,000	108,000	95,000	27,000	82,000	44,000	36,000	1,000	41,000	22,000	17,000	S	107,000	42,000	42,000	23,000
Mechanical engineering	848,000	452,000	295,000	101,000	500,000	328,000	155,000	17,000	110,000	70,000	34,000	6,000	238,000	54,000	106,000	78,000
Other engineering	567,000	337,000	155,000	75,000	283,000	204,000	64,000	15,000	93,000	65,000	23,000	5,000	191,000	68,000	68,000	54,000
S&E-related fields	7,822,000	6,078,000	1,027,000	717,000	439,000	308,000	96,000	35,000	5,519,000	5,014,000	422,000	84,000	1,863,000	756,000	509,000	598,000
Health	6,364,000	5,183,000	699,000	482,000	190,000	134,000	39,000	17,000	4,983,000	4,556,000	357,000	71,000	1,191,000	493,000	303,000	394,000
Science and mathematics teacher education	429,000	298,000	70,000	60,000	30,000	14,000	S	6,000	223,000	201,000	21,000	1,000	175,000	83,000	40,000	53,000
Technology and technical fields	488,000	253,000	140,000	95,000	170,000	124,000	38,000	8,000	92,000	50,000	31,000	S	226,000	79,000	70,000	77,000
Other S&E-related fields	541,000	343,000	118,000	80,000	48,000	35,000	9,000	4,000	221,000	206,000	13,000	D	271,000	102,000	96,000	74,000
Non-S&E fields	27,535,000	13,852,000	7,763,000	5,921,000	1,396,000	527,000	489,000	380,000	1,597,000	745,000	393,000	458,000	24,541,000	12,579,000	6,880,000	5,082,000
Management and administration fields	9,480,000	4,384,000	3,484,000	1,612,000	647,000	253,000	298,000	96,000	527,000	200,000	181,000	146,000	8,305,000	3,931,000	3,005,000	1,369,000

TABLE 1-3

Relationship of highest degree to job among employed college graduates, by level of highest degree, minor field of highest degree, and broad occupation: 2021

(Number)

Level and field of highest degree	All				S&E occupations				S&E-related occupations				Non-S&E occupations			
	Total	Closely related	Somewhat related	Not related	Total	Closely related	Somewhat related	Not related	Total	Closely related	Somewhat related	Not related	Total	Closely related	Somewhat related	Not related
Education, except science and math teacher education	5,019,000	3,536,000	715,000	769,000	94,000	55,000	20,000	19,000	441,000	315,000	75,000	52,000	4,484,000	3,167,000	620,000	698,000
Social service and related fields	1,466,000	903,000	232,000	331,000	77,000	34,000	7,000	36,000	65,000	25,000	17,000	23,000	1,324,000	845,000	208,000	272,000
Sales and marketing fields	1,293,000	449,000	598,000	246,000	61,000	17,000	30,000	14,000	62,000	7,000	S	44,000	1,169,000	425,000	557,000	187,000
Art and humanities fields	4,526,000	1,559,000	1,182,000	1,785,000	273,000	58,000	68,000	147,000	299,000	123,000	44,000	132,000	3,954,000	1,378,000	1,070,000	1,506,000
Other non-S&E fields	5,752,000	3,020,000	1,553,000	1,179,000	244,000	110,000	66,000	67,000	203,000	76,000	66,000	61,000	5,305,000	2,834,000	1,421,000	1,051,000
Bachelor's	31,688,000	13,835,000	9,599,000	8,254,000	4,438,000	2,602,000	1,236,000	600,000	5,031,000	3,381,000	987,000	663,000	22,219,000	7,852,000	7,376,000	6,991,000
S&E fields	11,377,000	4,641,000	3,586,000	3,150,000	3,499,000	2,266,000	927,000	305,000	1,692,000	902,000	521,000	269,000	6,187,000	1,473,000	2,137,000	2,576,000
Biological, agricultural, and environmental life sciences	1,773,000	635,000	542,000	595,000	371,000	203,000	112,000	56,000	489,000	251,000	165,000	73,000	913,000	181,000	265,000	466,000
Agricultural and food sciences	239,000	92,000	69,000	78,000	39,000	21,000	14,000	S	33,000	15,000	S	10,000	167,000	57,000	47,000	64,000
Biological sciences	1,301,000	462,000	391,000	448,000	281,000	154,000	85,000	43,000	433,000	223,000	149,000	62,000	587,000	86,000	157,000	344,000
Environmental life sciences	232,000	80,000	82,000	69,000	51,000	29,000	13,000	9,000	23,000	13,000	8,000	S	159,000	38,000	62,000	58,000
Computer and mathematical sciences	2,133,000	1,263,000	587,000	284,000	1,137,000	843,000	270,000	24,000	321,000	216,000	84,000	21,000	675,000	204,000	233,000	238,000
Computer and information sciences	1,694,000	1,081,000	420,000	193,000	1,024,000	798,000	208,000	18,000	214,000	143,000	54,000	17,000	456,000	140,000	158,000	157,000
Mathematics and statistics	440,000	182,000	167,000	91,000	113,000	45,000	62,000	6,000	107,000	73,000	30,000	S	219,000	63,000	75,000	81,000
Physical and related sciences	517,000	195,000	137,000	185,000	199,000	121,000	48,000	31,000	99,000	47,000	40,000	13,000	218,000	27,000	50,000	141,000
Chemistry, except biochemistry	221,000	102,000	68,000	52,000	93,000	60,000	17,000	16,000	55,000	28,000	23,000	3,000	73,000	14,000	27,000	32,000
Earth, atmospheric, and ocean sciences	172,000	51,000	35,000	86,000	54,000	34,000	15,000	S	24,000	9,000	6,000	S	94,000	8,000	14,000	72,000
Physics and astronomy	106,000	38,000	29,000	40,000	49,000	27,000	14,000	9,000	16,000	5,000	10,000	S	40,000	S	5,000	30,000
Other physical sciences	17,000	5,000	5,000	S	S	D	D	D	4,000	S	D	D	11,000	D	3,000	S
Social and related sciences	4,229,000	1,050,000	1,456,000	1,723,000	321,000	101,000	92,000	128,000	353,000	132,000	86,000	135,000	3,554,000	818,000	1,277,000	1,459,000
Economics	714,000	210,000	320,000	183,000	67,000	22,000	26,000	19,000	34,000	7,000	12,000	15,000	613,000	181,000	283,000	149,000
Political and related sciences	777,000	140,000	245,000	392,000	52,000	10,000	14,000	29,000	53,000	15,000	13,000	25,000	671,000	114,000	218,000	339,000
Psychology	1,521,000	436,000	518,000	567,000	108,000	40,000	29,000	40,000	146,000	66,000	42,000	38,000	1,267,000	330,000	448,000	489,000
Sociology and anthropology	800,000	159,000	266,000	376,000	54,000	13,000	14,000	28,000	66,000	13,000	14,000	39,000	680,000	133,000	238,000	309,000
Other social sciences	417,000	107,000	107,000	204,000	39,000	16,000	11,000	13,000	55,000	32,000	5,000	19,000	323,000	60,000	91,000	172,000
Engineering	2,725,000	1,498,000	864,000	364,000	1,470,000	998,000	406,000	66,000	428,000	256,000	145,000	27,000	827,000	244,000	312,000	271,000
Aerospace, aeronautical, and astronautical engineering	86,000	40,000	34,000	12,000	47,000	27,000	17,000	3,000	9,000	S	3,000	D	30,000	8,000	14,000	7,000
Chemical engineering	202,000	84,000	73,000	44,000	112,000	54,000	48,000	10,000	25,000	16,000	7,000	2,000	65,000	14,000	18,000	33,000
Civil and architectural engineering	395,000	244,000	89,000	62,000	194,000	154,000	24,000	15,000	73,000	50,000	16,000	7,000	128,000	40,000	48,000	40,000
Electrical and computer engineering	924,000	572,000	273,000	78,000	569,000	419,000	137,000	13,000	156,000	82,000	67,000	7,000	198,000	70,000	70,000	58,000
Industrial engineering	154,000	65,000	66,000	22,000	46,000	22,000	22,000	1,000	26,000	14,000	10,000	S	82,000	29,000	34,000	19,000
Mechanical engineering	660,000	334,000	235,000	91,000	372,000	237,000	122,000	13,000	85,000	54,000	27,000	4,000	203,000	43,000	86,000	74,000
Other engineering	304,000	159,000	92,000	53,000	130,000	84,000	36,000	11,000	52,000	35,000	15,000	S	121,000	40,000	41,000	40,000
S&E-related fields	3,821,000	2,652,000	669,000	500,000	203,000	120,000	62,000	21,000	2,494,000	2,186,000	264,000	45,000	1,123,000	346,000	343,000	433,000
Health	2,912,000	2,159,000	434,000	318,000	57,000	27,000	19,000	11,000	2,187,000	1,933,000	220,000	34,000	669,000	200,000	196,000	273,000

TABLE 1-3

Relationship of highest degree to job among employed college graduates, by level of highest degree, minor field of highest degree, and broad occupation: 2021

(Number)

Level and field of highest degree	All				S&E occupations				S&E-related occupations				Non-S&E occupations			
	Total	Closely related	Somewhat related	Not related	Total	Closely related	Somewhat related	Not related	Total	Closely related	Somewhat related	Not related	Total	Closely related	Somewhat related	Not related
Science and mathematics teacher education	171,000	108,000	30,000	33,000	S	S	S	D	90,000	83,000	S	S	70,000	22,000	17,000	31,000
Technology and technical fields	393,000	186,000	122,000	84,000	117,000	79,000	31,000	7,000	77,000	40,000	27,000	S	198,000	67,000	64,000	67,000
Other S&E-related fields	344,000	198,000	82,000	64,000	18,000	12,000	4,000	2,000	141,000	129,000	11,000	D	186,000	57,000	67,000	62,000
Non-S&E fields	16,491,000	6,543,000	5,344,000	4,604,000	736,000	216,000	247,000	273,000	845,000	294,000	202,000	349,000	14,909,000	6,032,000	4,896,000	3,981,000
Management and administration fields	6,113,000	2,576,000	2,340,000	1,197,000	292,000	109,000	128,000	55,000	263,000	75,000	86,000	102,000	5,558,000	2,392,000	2,126,000	1,039,000
Education, except science and math teacher education	1,960,000	1,164,000	291,000	506,000	32,000	14,000	5,000	13,000	140,000	64,000	32,000	44,000	1,788,000	1,086,000	253,000	449,000
Social service and related fields	542,000	220,000	112,000	211,000	26,000	8,000	D	15,000	18,000	S	S	11,000	498,000	207,000	106,000	185,000
Sales and marketing fields	1,078,000	337,000	526,000	215,000	44,000	10,000	24,000	9,000	51,000	D	S	40,000	982,000	324,000	494,000	165,000
Art and humanities fields	3,626,000	1,031,000	1,008,000	1,587,000	231,000	43,000	53,000	135,000	251,000	102,000	38,000	110,000	3,145,000	886,000	917,000	1,342,000
Other non-S&E fields	3,172,000	1,214,000	1,068,000	889,000	112,000	32,000	34,000	46,000	122,000	45,000	35,000	42,000	2,938,000	1,137,000	999,000	801,000
Master's	14,688,000	9,660,000	3,328,000	1,700,000	2,411,000	1,671,000	575,000	164,000	2,578,000	1,972,000	437,000	169,000	9,699,000	6,017,000	2,315,000	1,367,000
S&E fields	3,680,000	2,381,000	919,000	380,000	1,671,000	1,287,000	329,000	55,000	552,000	373,000	136,000	43,000	1,457,000	722,000	454,000	282,000
Biological, agricultural, and environmental life sciences	417,000	251,000	107,000	59,000	157,000	125,000	27,000	6,000	104,000	75,000	23,000	5,000	157,000	51,000	57,000	48,000
Agricultural and food sciences	46,000	31,000	8,000	7,000	20,000	18,000	3,000	D	6,000	S	S	S	20,000	11,000	4,000	5,000
Biological sciences	286,000	165,000	76,000	45,000	107,000	82,000	21,000	5,000	85,000	66,000	17,000	2,000	93,000	17,000	39,000	38,000
Environmental life sciences	86,000	55,000	23,000	8,000	29,000	25,000	3,000	D	13,000	7,000	S	D	43,000	23,000	14,000	6,000
Computer and mathematical sciences	888,000	644,000	184,000	60,000	560,000	451,000	99,000	10,000	132,000	85,000	31,000	16,000	195,000	107,000	53,000	35,000
Computer and information sciences	732,000	548,000	139,000	45,000	481,000	395,000	78,000	8,000	102,000	66,000	21,000	14,000	148,000	87,000	39,000	22,000
Mathematics and statistics	156,000	95,000	45,000	15,000	79,000	56,000	21,000	2,000	30,000	19,000	10,000	1,000	47,000	20,000	14,000	12,000
Physical and related sciences	174,000	98,000	59,000	17,000	106,000	70,000	33,000	4,000	29,000	20,000	6,000	S	39,000	8,000	21,000	10,000
Chemistry, except biochemistry	57,000	29,000	22,000	6,000	28,000	19,000	8,000	*	11,000	8,000	1,000	S	19,000	2,000	13,000	4,000
Earth, atmospheric, and ocean sciences	59,000	36,000	16,000	6,000	39,000	27,000	10,000	S	6,000	5,000	S	D	14,000	4,000	5,000	5,000
Physics and astronomy	52,000	29,000	19,000	4,000	37,000	21,000	15,000	S	9,000	6,000	3,000	D	6,000	S	2,000	S
Other physical sciences	6,000	4,000	S	D	S	S	D	D	S	1,000	D	D	1,000	D	D	D
Social and related sciences	1,171,000	693,000	295,000	183,000	212,000	158,000	32,000	23,000	109,000	68,000	28,000	14,000	850,000	467,000	236,000	147,000
Economics	114,000	57,000	41,000	15,000	30,000	22,000	5,000	3,000	2,000	S	1,000	D	81,000	34,000	35,000	12,000
Political and related sciences	231,000	104,000	84,000	43,000	46,000	30,000	8,000	8,000	12,000	3,000	5,000	S	173,000	70,000	71,000	32,000
Psychology	602,000	435,000	104,000	63,000	96,000	81,000	8,000	6,000	73,000	52,000	18,000	3,000	433,000	302,000	78,000	54,000
Sociology and anthropology	82,000	34,000	28,000	20,000	22,000	15,000	S	S	7,000	S	D	S	53,000	17,000	23,000	13,000
Other social sciences	142,000	63,000	38,000	41,000	18,000	9,000	4,000	5,000	15,000	10,000	4,000	D	110,000	44,000	30,000	35,000
Engineering	1,030,000	696,000	274,000	60,000	635,000	483,000	139,000	13,000	178,000	124,000	48,000	6,000	216,000	88,000	86,000	42,000
Aerospace, aeronautical, and astronautical engineering	48,000	32,000	13,000	3,000	29,000	22,000	6,000	1,000	7,000	5,000	S	D	12,000	S	5,000	S
Chemical engineering	38,000	16,000	16,000	5,000	19,000	11,000	6,000	S	7,000	S	S	D	11,000	3,000	5,000	3,000
Civil and architectural engineering	126,000	101,000	20,000	5,000	85,000	73,000	11,000	S	21,000	18,000	2,000	D	20,000	9,000	6,000	4,000
Electrical and computer engineering	406,000	293,000	95,000	18,000	262,000	207,000	53,000	2,000	76,000	54,000	20,000	1,000	68,000	32,000	21,000	15,000

TABLE 1-3

Relationship of highest degree to job among employed college graduates, by level of highest degree, minor field of highest degree, and broad occupation: 2021

(Number)

Level and field of highest degree	All				S&E occupations				S&E-related occupations				Non-S&E occupations			
	Total	Closely related	Somewhat related	Not related	Total	Closely related	Somewhat related	Not related	Total	Closely related	Somewhat related	Not related	Total	Closely related	Somewhat related	Not related
Industrial engineering	66,000	35,000	26,000	4,000	31,000	18,000	13,000	D	12,000	6,000	6,000	D	22,000	11,000	7,000	4,000
Mechanical engineering	159,000	96,000	55,000	8,000	107,000	74,000	30,000	3,000	23,000	15,000	7,000	S	30,000	7,000	19,000	4,000
Other engineering	188,000	123,000	48,000	17,000	102,000	79,000	20,000	4,000	32,000	24,000	6,000	2,000	54,000	20,000	23,000	11,000
S&E-related fields	2,080,000	1,630,000	287,000	163,000	156,000	120,000	22,000	14,000	1,327,000	1,178,000	120,000	29,000	598,000	332,000	145,000	121,000
Health	1,561,000	1,252,000	196,000	113,000	65,000	50,000	9,000	7,000	1,102,000	975,000	99,000	27,000	394,000	227,000	88,000	80,000
Science and mathematics teacher education	244,000	177,000	40,000	26,000	14,000	7,000	3,000	5,000	133,000	118,000	15,000	S	97,000	53,000	23,000	21,000
Technology and technical fields	86,000	61,000	16,000	9,000	48,000	41,000	6,000	S	13,000	9,000	4,000	D	25,000	11,000	6,000	8,000
Other S&E-related fields	189,000	140,000	35,000	15,000	28,000	22,000	4,000	S	80,000	77,000	2,000	D	81,000	41,000	29,000	12,000
Non-S&E fields	8,928,000	5,649,000	2,122,000	1,157,000	584,000	264,000	224,000	96,000	699,000	421,000	182,000	97,000	7,644,000	4,964,000	1,716,000	964,000
Management and administration fields	3,311,000	1,767,000	1,135,000	409,000	349,000	139,000	169,000	41,000	262,000	125,000	94,000	44,000	2,700,000	1,503,000	872,000	325,000
Education, except science and math teacher education	2,888,000	2,233,000	396,000	259,000	53,000	34,000	13,000	6,000	285,000	236,000	41,000	8,000	2,550,000	1,963,000	343,000	244,000
Social service and related fields	841,000	611,000	111,000	118,000	39,000	15,000	4,000	S	45,000	19,000	14,000	11,000	757,000	578,000	93,000	86,000
Sales and marketing fields	210,000	108,000	71,000	31,000	17,000	6,000	6,000	S	11,000	S	S	D	183,000	98,000	63,000	22,000
Art and humanities fields	740,000	412,000	150,000	178,000	38,000	12,000	15,000	11,000	48,000	20,000	S	22,000	654,000	380,000	129,000	145,000
Other non-S&E fields	938,000	517,000	260,000	161,000	89,000	58,000	19,000	12,000	49,000	18,000	24,000	S	800,000	442,000	217,000	141,000
Doctorate	2,141,000	1,707,000	320,000	114,000	962,000	823,000	124,000	15,000	374,000	309,000	53,000	11,000	805,000	574,000	143,000	88,000
S&E fields	1,302,000	1,030,000	217,000	56,000	861,000	735,000	113,000	12,000	157,000	116,000	34,000	7,000	285,000	179,000	69,000	37,000
Biological, agricultural, and environmental life sciences	380,000	309,000	59,000	12,000	240,000	210,000	28,000	2,000	74,000	56,000	13,000	5,000	66,000	43,000	18,000	5,000
Agricultural and food sciences	23,000	20,000	2,000	D	14,000	13,000	1,000	D	1,000	1,000	D	D	8,000	S	1,000	D
Biological sciences	350,000	283,000	56,000	11,000	221,000	192,000	27,000	2,000	72,000	55,000	13,000	4,000	56,000	37,000	16,000	4,000
Environmental life sciences	7,000	6,000	S	D	5,000	5,000	D	D	*	D	D	D	S	S	D	D
Computer and mathematical sciences	127,000	104,000	20,000	2,000	98,000	81,000	15,000	2,000	10,000	8,000	S	D	19,000	14,000	4,000	*
Computer and information sciences	68,000	58,000	10,000	D	51,000	44,000	7,000	D	7,000	7,000	D	D	10,000	7,000	2,000	D
Mathematics and statistics	59,000	46,000	11,000	2,000	47,000	37,000	8,000	1,000	3,000	2,000	S	D	9,000	7,000	2,000	D
Physical and related sciences	215,000	151,000	46,000	17,000	155,000	119,000	31,000	5,000	20,000	14,000	5,000	1,000	40,000	18,000	10,000	11,000
Chemistry, except biochemistry	97,000	73,000	18,000	7,000	68,000	54,000	12,000	2,000	9,000	8,000	1,000	D	21,000	11,000	5,000	5,000
Earth, atmospheric, and ocean sciences	33,000	25,000	6,000	1,000	27,000	23,000	4,000	D	S	D	D	D	4,000	2,000	S	1,000
Physics and astronomy	82,000	51,000	22,000	9,000	59,000	41,000	15,000	3,000	9,000	5,000	3,000	D	15,000	5,000	4,000	6,000
Other physical sciences	2,000	2,000	D	D	1,000	1,000	D	D	D	D	D	D	D	D	D	D
Social and related sciences	325,000	264,000	46,000	15,000	196,000	180,000	15,000	*	19,000	10,000	S	D	110,000	73,000	24,000	14,000
Economics	42,000	34,000	5,000	D	26,000	24,000	1,000	D	S	D	D	D	15,000	10,000	3,000	D
Political and related sciences	32,000	24,000	6,000	S	16,000	16,000	S	D	S	S	D	D	14,000	8,000	5,000	S
Psychology	165,000	135,000	23,000	7,000	105,000	99,000	5,000	D	15,000	9,000	S	D	46,000	27,000	12,000	7,000
Sociology and anthropology	46,000	37,000	8,000	S	36,000	29,000	6,000	D	D	D	D	D	10,000	7,000	1,000	D
Other social sciences	40,000	34,000	4,000	2,000	14,000	12,000	S	D	S	*	D	D	26,000	21,000	S	S

TABLE 1-3

Relationship of highest degree to job among employed college graduates, by level of highest degree, minor field of highest degree, and broad occupation: 2021

(Number)

Level and field of highest degree	All				S&E occupations				S&E-related occupations				Non-S&E occupations			
	Total	Closely related	Somewhat related	Not related	Total	Closely related	Somewhat related	Not related	Total	Closely related	Somewhat related	Not related	Total	Closely related	Somewhat related	Not related
Engineering	256,000	201,000	44,000	10,000	171,000	145,000	24,000	3,000	34,000	27,000	7,000	D	50,000	30,000	13,000	7,000
Aerospace, aeronautical, and astronautical engineering	11,000	10,000	S	D	7,000	6,000	S	D	S	S	D	D	S	S	D	D
Chemical engineering	30,000	22,000	5,000	S	17,000	15,000	2,000	D	5,000	4,000	1,000	D	8,000	S	2,000	S
Civil and architectural engineering	22,000	19,000	2,000	D	17,000	16,000	1,000	D	1,000	1,000	D	D	3,000	2,000	1,000	D
Electrical and computer engineering	79,000	64,000	14,000	*	54,000	46,000	7,000	D	13,000	11,000	3,000	D	12,000	7,000	4,000	D
Industrial engineering	11,000	8,000	2,000	D	5,000	4,000	1,000	D	S	S	D	D	4,000	S	1,000	D
Mechanical engineering	29,000	22,000	5,000	S	21,000	17,000	4,000	D	2,000	1,000	1,000	D	6,000	5,000	1,000	D
Other engineering	75,000	56,000	15,000	5,000	51,000	41,000	9,000	D	9,000	7,000	1,000	D	16,000	8,000	4,000	4,000
S&E-related fields	304,000	257,000	26,000	21,000	51,000	46,000	5,000	D	192,000	174,000	15,000	S	61,000	38,000	6,000	18,000
Health	275,000	233,000	24,000	18,000	40,000	35,000	4,000	D	189,000	172,000	14,000	D	46,000	26,000	5,000	16,000
Science and mathematics teacher education	14,000	13,000	*	D	5,000	4,000	D	D	1,000	1,000	D	D	8,000	8,000	D	D
Technology and technical fields	9,000	6,000	S	S	5,000	5,000	*	D	2,000	S	D	D	S	*	D	D
Other S&E-related fields	7,000	5,000	D	D	2,000	1,000	D	D	D	D	D	D	4,000	4,000	D	D
Non-S&E fields	534,000	420,000	77,000	37,000	50,000	42,000	6,000	2,000	25,000	20,000	4,000	S	459,000	358,000	67,000	33,000
Management and administration fields	56,000	41,000	9,000	6,000	6,000	4,000	S	D	D	D	D	D	48,000	36,000	S	5,000
Education, except science and math teacher education	171,000	139,000	28,000	4,000	9,000	7,000	2,000	D	17,000	15,000	S	*	145,000	118,000	24,000	4,000
Social service and related fields	83,000	72,000	9,000	S	13,000	12,000	D	D	S	D	D	D	68,000	59,000	8,000	D
Sales and marketing fields	4,000	4,000	D	D	D	D	D	D	D	D	D	D	4,000	4,000	D	D
Art and humanities fields	160,000	116,000	25,000	20,000	5,000	3,000	D	D	1,000	*	D	D	155,000	112,000	24,000	S
Other non-S&E fields	60,000	49,000	S	S	18,000	16,000	S	D	S	S	D	D	38,000	30,000	S	S
Professional	3,246,000	2,824,000	267,000	156,000	82,000	54,000	20,000	9,000	1,538,000	1,491,000	29,000	18,000	1,626,000	1,279,000	218,000	129,000
S&E fields	49,000	45,000	3,000	D	28,000	27,000	D	D	S	S	D	D	16,000	13,000	2,000	D
S&E-related fields	1,616,000	1,539,000	45,000	33,000	29,000	22,000	6,000	D	1,506,000	1,476,000	23,000	S	82,000	41,000	15,000	26,000
Non-S&E fields	1,582,000	1,240,000	219,000	122,000	25,000	4,000	13,000	9,000	28,000	11,000	S	11,000	1,528,000	1,225,000	200,000	103,000

* = 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, 2021.

TABLE 1-4

Employed college graduates, by level of highest degree, minor field of highest degree, and detailed employment sector: 2021

(Number)

Level and field of highest degree	Total	Business or industry				Education			Government		
		Total	For-profit business or industry	Nonprofit business or industry	Self-employed, not incorporated	Total	4-year educational institution[a]	2-year college or precollege educational institution	Total	Federal government	State or local government
All degrees	51,764,000	36,346,000	27,666,000	5,237,000	3,443,000	9,978,000	3,342,000	6,637,000	5,439,000	2,114,000	3,325,000
S&E fields	16,408,000	12,162,000	10,082,000	1,195,000	884,000	2,354,000	1,374,000	980,000	1,892,000	825,000	1,067,000
Biological, agricultural, and environmental life sciences	2,570,000	1,692,000	1,290,000	236,000	165,000	526,000	374,000	152,000	352,000	145,000	208,000
Agricultural and food sciences	308,000	228,000	178,000	11,000	40,000	47,000	30,000	17,000	33,000	20,000	13,000
Biological sciences	1,937,000	1,256,000	968,000	198,000	90,000	462,000	332,000	130,000	219,000	82,000	137,000
Environmental life sciences	325,000	207,000	144,000	27,000	36,000	17,000	12,000	5,000	100,000	42,000	58,000
Computer and mathematical sciences	3,147,000	2,553,000	2,310,000	146,000	96,000	329,000	168,000	162,000	265,000	140,000	126,000
Computer and information sciences	2,493,000	2,131,000	1,945,000	117,000	69,000	157,000	102,000	55,000	206,000	94,000	111,000
Mathematics and statistics	654,000	422,000	365,000	30,000	27,000	172,000	66,000	107,000	60,000	45,000	14,000
Physical and related sciences	906,000	572,000	498,000	37,000	37,000	218,000	155,000	62,000	116,000	61,000	55,000
Chemistry, except biochemistry	376,000	261,000	236,000	11,000	14,000	85,000	64,000	20,000	30,000	14,000	16,000
Earth, atmospheric, and ocean sciences	263,000	155,000	130,000	13,000	12,000	52,000	27,000	S	57,000	24,000	32,000
Physics and astronomy	240,000	140,000	124,000	9,000	7,000	79,000	63,000	16,000	21,000	18,000	4,000
Other physical sciences	26,000	16,000	8,000	S	S	3,000	1,000	2,000	8,000	4,000	3,000
Social and related sciences	5,774,000	3,957,000	2,843,000	679,000	435,000	1,031,000	471,000	560,000	785,000	278,000	507,000
Economics	869,000	718,000	633,000	28,000	58,000	65,000	46,000	19,000	85,000	44,000	41,000
Political and related sciences	1,039,000	749,000	577,000	101,000	71,000	113,000	66,000	47,000	177,000	105,000	72,000
Psychology	2,336,000	1,510,000	948,000	359,000	203,000	552,000	205,000	348,000	274,000	69,000	204,000
Sociology and anthropology	929,000	597,000	438,000	97,000	63,000	156,000	84,000	73,000	176,000	38,000	138,000
Other social sciences	600,000	382,000	247,000	95,000	40,000	145,000	70,000	74,000	74,000	22,000	51,000
Engineering	4,011,000	3,388,000	3,141,000	97,000	150,000	250,000	206,000	44,000	373,000	201,000	172,000
Aerospace, aeronautical, and astronautical engineering	145,000	109,000	100,000	3,000	6,000	14,000	12,000	S	23,000	22,000	D
Chemical engineering	269,000	237,000	220,000	7,000	11,000	17,000	13,000	S	15,000	6,000	8,000
Civil and architectural engineering	543,000	399,000	368,000	7,000	23,000	29,000	22,000	7,000	116,000	21,000	94,000
Electrical and computer engineering	1,409,000	1,242,000	1,155,000	43,000	44,000	82,000	67,000	14,000	85,000	59,000	26,000
Industrial engineering	230,000	212,000	194,000	7,000	11,000	9,000	7,000	2,000	9,000	7,000	2,000
Mechanical engineering	848,000	734,000	684,000	17,000	33,000	50,000	42,000	8,000	64,000	46,000	18,000
Other engineering	567,000	455,000	420,000	13,000	23,000	50,000	44,000	6,000	62,000	39,000	23,000
S&E-related fields	7,822,000	5,881,000	3,649,000	1,800,000	432,000	1,304,000	659,000	645,000	636,000	280,000	356,000
Health	6,364,000	4,927,000	2,855,000	1,737,000	335,000	923,000	602,000	321,000	514,000	241,000	273,000
Science and mathematics teacher education	429,000	110,000	79,000	S	13,000	311,000	23,000	289,000	7,000	S	S
Technology and technical fields	488,000	410,000	368,000	15,000	28,000	32,000	9,000	22,000	46,000	26,000	19,000
Other S&E-related fields	541,000	434,000	348,000	31,000	55,000	38,000	25,000	13,000	69,000	10,000	59,000
Non-S&E fields	27,535,000	18,304,000	13,935,000	2,242,000	2,127,000	6,320,000	1,309,000	5,012,000	2,911,000	1,009,000	1,901,000
Management and administration fields	9,480,000	7,988,000	6,749,000	613,000	626,000	546,000	255,000	291,000	946,000	448,000	498,000

TABLE 1-4

Employed college graduates, by level of highest degree, minor field of highest degree, and detailed employment sector: 2021

(Number)

Level and field of highest degree	Total	Business or industry				Education			Government		
		Total	For-profit business or industry	Nonprofit business or industry	Self-employed, not incorporated	Total	4-year educational institution[a]	2-year college or precollege educational institution	Total	Federal government	State or local government
Education, except science and math teacher education	5,019,000	1,150,000	714,000	205,000	231,000	3,687,000	291,000	3,396,000	182,000	25,000	157,000
Social service and related fields	1,466,000	986,000	429,000	472,000	85,000	279,000	101,000	178,000	200,000	45,000	155,000
Sales and marketing fields	1,293,000	1,143,000	941,000	66,000	136,000	90,000	27,000	64,000	59,000	19,000	40,000
Art and humanities fields	4,526,000	3,174,000	2,220,000	404,000	549,000	1,045,000	358,000	687,000	307,000	112,000	195,000
Other non-S&E fields	5,752,000	3,862,000	2,881,000	481,000	500,000	672,000	277,000	395,000	1,217,000	360,000	857,000
Bachelor's	31,688,000	24,232,000	18,921,000	3,045,000	2,266,000	4,205,000	1,161,000	3,044,000	3,252,000	1,105,000	2,147,000
S&E fields	11,377,000	8,905,000	7,461,000	782,000	662,000	1,154,000	532,000	622,000	1,318,000	499,000	820,000
Biological, agricultural, and environmental life sciences	1,773,000	1,301,000	989,000	166,000	145,000	227,000	138,000	88,000	245,000	82,000	163,000
Agricultural and food sciences	239,000	189,000	142,000	9,000	38,000	24,000	10,000	14,000	27,000	16,000	11,000
Biological sciences	1,301,000	955,000	742,000	141,000	72,000	198,000	124,000	74,000	148,000	36,000	112,000
Environmental life sciences	232,000	157,000	106,000	16,000	35,000	5,000	4,000	1,000	70,000	30,000	40,000
Computer and mathematical sciences	2,133,000	1,775,000	1,607,000	99,000	68,000	171,000	56,000	115,000	188,000	97,000	91,000
Computer and information sciences	1,694,000	1,468,000	1,338,000	78,000	51,000	81,000	43,000	38,000	145,000	63,000	81,000
Mathematics and statistics	440,000	307,000	269,000	21,000	17,000	90,000	13,000	77,000	43,000	S	9,000
Physical and related sciences	517,000	349,000	301,000	22,000	26,000	97,000	56,000	41,000	70,000	26,000	44,000
Chemistry, except biochemistry	221,000	163,000	148,000	7,000	9,000	39,000	30,000	9,000	20,000	6,000	13,000
Earth, atmospheric, and ocean sciences	172,000	106,000	88,000	8,000	10,000	S	5,000	S	43,000	16,000	27,000
Physics and astronomy	106,000	66,000	60,000	4,000	3,000	34,000	21,000	13,000	6,000	3,000	2,000
Other physical sciences	17,000	14,000	6,000	S	S	S	D	D	S	1,000	D
Social and related sciences	4,229,000	3,102,000	2,362,000	432,000	309,000	559,000	208,000	352,000	568,000	179,000	388,000
Economics	714,000	607,000	546,000	13,000	48,000	31,000	14,000	17,000	75,000	38,000	38,000
Political and related sciences	777,000	619,000	490,000	65,000	65,000	62,000	26,000	36,000	95,000	48,000	47,000
Psychology	1,521,000	1,035,000	716,000	208,000	111,000	288,000	99,000	190,000	197,000	49,000	148,000
Sociology and anthropology	800,000	556,000	409,000	89,000	58,000	94,000	33,000	61,000	150,000	33,000	117,000
Other social sciences	417,000	284,000	200,000	56,000	27,000	84,000	36,000	48,000	50,000	12,000	38,000
Engineering	2,725,000	2,378,000	2,201,000	63,000	114,000	99,000	73,000	26,000	248,000	115,000	133,000
Aerospace, aeronautical, and astronautical engineering	86,000	71,000	66,000	1,000	S	2,000	2,000	S	13,000	12,000	D
Chemical engineering	202,000	183,000	173,000	4,000	5,000	6,000	4,000	S	13,000	6,000	S
Civil and architectural engineering	395,000	298,000	274,000	S	18,000	11,000	6,000	S	86,000	15,000	71,000
Electrical and computer engineering	924,000	834,000	771,000	31,000	32,000	36,000	29,000	7,000	54,000	32,000	22,000
Industrial engineering	154,000	146,000	132,000	4,000	9,000	2,000	D	2,000	6,000	5,000	1,000
Mechanical engineering	660,000	583,000	541,000	12,000	30,000	29,000	22,000	7,000	49,000	34,000	15,000
Other engineering	304,000	264,000	244,000	5,000	15,000	13,000	10,000	S	28,000	12,000	16,000
S&E-related fields	3,821,000	3,082,000	1,912,000	997,000	173,000	444,000	184,000	260,000	294,000	112,000	182,000
Health	2,912,000	2,403,000	1,344,000	960,000	99,000	296,000	171,000	126,000	212,000	78,000	134,000

TABLE 1-4

Employed college graduates, by level of highest degree, minor field of highest degree, and detailed employment sector: 2021

(Number)

Level and field of highest degree	Total	Business or industry				Education			Government		
		Total	For-profit business or industry	Nonprofit business or industry	Self-employed, not incorporated	Total	4-year educational institution[a]	2-year college or precollege educational institution	Total	Federal government	State or local government
Science and mathematics teacher education	171,000	62,000	48,000	S	S	105,000	S	104,000	S	D	D
Technology and technical fields	393,000	327,000	291,000	11,000	26,000	23,000	S	21,000	43,000	25,000	17,000
Other S&E-related fields	344,000	291,000	230,000	18,000	43,000	20,000	10,000	10,000	34,000	S	28,000
Non-S&E fields	16,491,000	12,245,000	9,548,000	1,266,000	1,431,000	2,607,000	445,000	2,162,000	1,639,000	494,000	1,145,000
Management and administration fields	6,113,000	5,231,000	4,378,000	404,000	448,000	282,000	108,000	174,000	600,000	230,000	370,000
Education, except science and math teacher education	1,960,000	711,000	468,000	114,000	129,000	1,164,000	35,000	1,129,000	86,000	21,000	65,000
Social service and related fields	542,000	367,000	207,000	119,000	41,000	94,000	19,000	75,000	82,000	S	75,000
Sales and marketing fields	1,078,000	956,000	783,000	58,000	115,000	74,000	17,000	57,000	48,000	S	36,000
Art and humanities fields	3,626,000	2,704,000	1,974,000	282,000	447,000	653,000	150,000	503,000	269,000	92,000	177,000
Other non-S&E fields	3,172,000	2,276,000	1,737,000	289,000	250,000	340,000	116,000	224,000	555,000	133,000	422,000
Master's	14,688,000	8,660,000	6,400,000	1,542,000	718,000	4,447,000	1,092,000	3,354,000	1,582,000	699,000	883,000
S&E fields	3,680,000	2,582,000	2,103,000	321,000	159,000	637,000	336,000	301,000	461,000	242,000	219,000
Biological, agricultural, and environmental life sciences	417,000	228,000	177,000	39,000	11,000	118,000	68,000	51,000	71,000	32,000	39,000
Agricultural and food sciences	46,000	28,000	26,000	*	S	12,000	9,000	3,000	6,000	4,000	S
Biological sciences	286,000	152,000	115,000	28,000	9,000	96,000	52,000	44,000	38,000	18,000	19,000
Environmental life sciences	86,000	48,000	36,000	11,000	S	10,000	6,000	S	28,000	9,000	18,000
Computer and mathematical sciences	888,000	712,000	640,000	45,000	27,000	103,000	60,000	43,000	72,000	38,000	35,000
Computer and information sciences	732,000	618,000	564,000	37,000	17,000	56,000	40,000	16,000	58,000	28,000	30,000
Mathematics and statistics	156,000	94,000	77,000	8,000	10,000	47,000	21,000	26,000	14,000	9,000	5,000
Physical and related sciences	174,000	107,000	97,000	6,000	5,000	45,000	29,000	16,000	22,000	15,000	7,000
Chemistry, except biochemistry	57,000	38,000	34,000	2,000	S	15,000	7,000	8,000	4,000	2,000	S
Earth, atmospheric, and ocean sciences	59,000	38,000	34,000	S	1,000	13,000	8,000	S	8,000	3,000	5,000
Physics and astronomy	52,000	30,000	28,000	S	D	16,000	13,000	2,000	6,000	6,000	D
Other physical sciences	6,000	1,000	1,000	D	D	1,000	1,000	S	S	S	D
Social and related sciences	1,171,000	696,000	401,000	205,000	91,000	287,000	111,000	176,000	188,000	83,000	105,000
Economics	114,000	91,000	70,000	13,000	9,000	16,000	15,000	1,000	6,000	4,000	2,000
Political and related sciences	231,000	122,000	83,000	33,000	6,000	30,000	22,000	9,000	78,000	56,000	22,000
Psychology	602,000	363,000	180,000	122,000	61,000	181,000	45,000	136,000	58,000	10,000	48,000
Sociology and anthropology	82,000	34,000	26,000	4,000	S	25,000	17,000	8,000	24,000	4,000	20,000
Other social sciences	142,000	86,000	42,000	33,000	11,000	34,000	12,000	22,000	22,000	10,000	12,000
Engineering	1,030,000	839,000	787,000	26,000	26,000	84,000	68,000	16,000	107,000	74,000	33,000
Aerospace, aeronautical, and astronautical engineering	48,000	32,000	30,000	2,000	D	7,000	6,000	D	9,000	9,000	D
Chemical engineering	38,000	32,000	27,000	S	S	5,000	3,000	D	*	D	*
Civil and architectural engineering	126,000	90,000	85,000	1,000	4,000	10,000	8,000	S	26,000	5,000	21,000
Electrical and computer engineering	406,000	349,000	329,000	10,000	10,000	28,000	21,000	7,000	29,000	25,000	4,000

TABLE 1-4

Employed college graduates, by level of highest degree, minor field of highest degree, and detailed employment sector: 2021

(Number)

Level and field of highest degree	Total	Business or industry				Education			Government		
		Total	For-profit business or industry	Nonprofit business or industry	Self-employed, not incorporated	Total	4-year educational institution[a]	2-year college or precollege educational institution	Total	Federal government	State or local government
Industrial engineering	66,000	59,000	55,000	3,000	S	4,000	S	D	2,000	1,000	S
Mechanical engineering	159,000	131,000	125,000	4,000	2,000	14,000	13,000	S	14,000	12,000	2,000
Other engineering	188,000	145,000	136,000	4,000	6,000	15,000	14,000	S	27,000	22,000	5,000
S&E-related fields	2,080,000	1,321,000	804,000	427,000	91,000	531,000	167,000	364,000	228,000	96,000	133,000
Health	1,561,000	1,056,000	585,000	402,000	69,000	317,000	139,000	178,000	188,000	91,000	98,000
Science and mathematics teacher education	244,000	47,000	31,000	9,000	7,000	195,000	12,000	183,000	2,000	S	1,000
Technology and technical fields	86,000	77,000	72,000	3,000	2,000	6,000	5,000	1,000	3,000	1,000	2,000
Other S&E-related fields	189,000	141,000	116,000	13,000	12,000	14,000	11,000	S	35,000	3,000	32,000
Non-S&E fields	8,928,000	4,756,000	3,493,000	795,000	468,000	3,279,000	590,000	2,689,000	893,000	362,000	531,000
Management and administration fields	3,311,000	2,732,000	2,357,000	205,000	171,000	240,000	125,000	115,000	339,000	213,000	125,000
Education, except science and math teacher education	2,888,000	414,000	238,000	78,000	99,000	2,382,000	193,000	2,189,000	91,000	4,000	88,000
Social service and related fields	841,000	577,000	217,000	322,000	39,000	149,000	51,000	98,000	114,000	36,000	78,000
Sales and marketing fields	210,000	186,000	158,000	7,000	20,000	14,000	S	7,000	S	S	S
Art and humanities fields	740,000	418,000	225,000	107,000	85,000	287,000	124,000	163,000	35,000	18,000	17,000
Other non-S&E fields	938,000	429,000	299,000	77,000	54,000	207,000	90,000	117,000	302,000	83,000	219,000
Doctorate	2,141,000	995,000	695,000	193,000	107,000	981,000	808,000	173,000	165,000	115,000	50,000
S&E fields	1,302,000	647,000	504,000	85,000	57,000	547,000	498,000	49,000	109,000	83,000	26,000
Biological, agricultural, and environmental life sciences	380,000	163,000	123,000	31,000	9,000	181,000	168,000	13,000	36,000	31,000	6,000
Agricultural and food sciences	23,000	11,000	10,000	S	D	11,000	11,000	D	1,000	1,000	D
Biological sciences	350,000	149,000	111,000	30,000	9,000	168,000	155,000	13,000	33,000	28,000	5,000
Environmental life sciences	7,000	2,000	2,000	D	D	3,000	3,000	D	S	S	*
Computer and mathematical sciences	127,000	66,000	62,000	3,000	S	55,000	51,000	4,000	5,000	5,000	D
Computer and information sciences	68,000	45,000	43,000	1,000	S	19,000	19,000	D	3,000	3,000	D
Mathematics and statistics	59,000	21,000	19,000	1,000	*	35,000	32,000	3,000	2,000	2,000	D
Physical and related sciences	215,000	116,000	99,000	10,000	7,000	75,000	70,000	5,000	24,000	21,000	3,000
Chemistry, except biochemistry	97,000	60,000	54,000	3,000	3,000	31,000	27,000	4,000	7,000	6,000	*
Earth, atmospheric, and ocean sciences	33,000	11,000	8,000	3,000	D	16,000	15,000	S	6,000	5,000	D
Physics and astronomy	82,000	44,000	36,000	4,000	3,000	29,000	28,000	1,000	10,000	8,000	1,000
Other physical sciences	2,000	S	S	D	D	D	D	D	D	D	D
Social and related sciences	325,000	132,000	67,000	35,000	30,000	169,000	143,000	25,000	25,000	14,000	11,000
Economics	42,000	19,000	16,000	2,000	S	19,000	17,000	S	4,000	3,000	S
Political and related sciences	32,000	8,000	4,000	3,000	D	20,000	19,000	1,000	4,000	1,000	S
Psychology	165,000	85,000	38,000	22,000	26,000	66,000	52,000	14,000	14,000	9,000	5,000
Sociology and anthropology	46,000	7,000	3,000	3,000	1,000	37,000	34,000	S	2,000	1,000	S
Other social sciences	40,000	12,000	5,000	5,000	D	26,000	22,000	4,000	S	*	S

TABLE 1-4

Employed college graduates, by level of highest degree, minor field of highest degree, and detailed employment sector: 2021

(Number)

Level and field of highest degree	Total	Business or industry				Education			Government		
		Total	For-profit business or industry	Nonprofit business or industry	Self-employed, not incorporated	Total	4-year educational institution[a]	2-year college or precollege educational institution	Total	Federal government	State or local government
Engineering	256,000	171,000	152,000	8,000	11,000	67,000	65,000	2,000	18,000	12,000	6,000
Aerospace, aeronautical, and astronautical engineering	11,000	5,000	4,000	D	D	4,000	4,000	D	2,000	2,000	D
Chemical engineering	30,000	23,000	20,000	D	S	6,000	6,000	D	S	D	D
Civil and architectural engineering	22,000	11,000	9,000	D	1,000	8,000	7,000	D	3,000	1,000	2,000
Electrical and computer engineering	79,000	58,000	54,000	2,000	S	18,000	17,000	S	3,000	3,000	*
Industrial engineering	11,000	7,000	7,000	D	D	2,000	2,000	D	D	D	D
Mechanical engineering	29,000	20,000	18,000	1,000	S	8,000	7,000	*	1,000	*	D
Other engineering	75,000	46,000	40,000	3,000	2,000	22,000	21,000	S	7,000	6,000	2,000
S&E-related fields	304,000	185,000	126,000	41,000	18,000	88,000	78,000	10,000	32,000	20,000	12,000
Health	275,000	174,000	118,000	38,000	18,000	69,000	62,000	7,000	31,000	19,000	12,000
Science and mathematics teacher education	14,000	D	D	D	D	12,000	10,000	2,000	D	D	D
Technology and technical fields	9,000	6,000	5,000	D	D	3,000	2,000	D	D	D	D
Other S&E-related fields	7,000	3,000	3,000	D	D	3,000	3,000	D	D	D	D
Non-S&E fields	534,000	163,000	65,000	67,000	31,000	346,000	232,000	114,000	25,000	13,000	12,000
Management and administration fields	56,000	25,000	13,000	D	7,000	24,000	22,000	S	7,000	S	D
Education, except science and math teacher education	171,000	26,000	9,000	13,000	S	141,000	63,000	78,000	5,000	S	4,000
Social service and related fields	83,000	42,000	6,000	32,000	4,000	37,000	31,000	6,000	S	D	D
Sales and marketing fields	4,000	D	D	D	D	3,000	3,000	D	D	D	D
Art and humanities fields	160,000	52,000	21,000	15,000	16,000	105,000	84,000	21,000	S	S	D
Other non-S&E fields	60,000	18,000	16,000	2,000	D	36,000	29,000	7,000	6,000	3,000	S
Professional	3,246,000	2,459,000	1,650,000	457,000	352,000	347,000	281,000	66,000	440,000	195,000	245,000
S&E fields	49,000	27,000	14,000	7,000	6,000	17,000	9,000	S	4,000	2,000	3,000
S&E-related fields	1,616,000	1,293,000	807,000	336,000	150,000	241,000	230,000	11,000	82,000	53,000	29,000
Non-S&E fields	1,582,000	1,139,000	829,000	114,000	197,000	89,000	42,000	47,000	354,000	140,000	213,000

* = 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] Includes medical schools and university-affiliated research institutes.

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, 2021.

TABLE 1-5

Employed scientists and engineers, by sex, major field of highest degree, ethnicity, race, disability status, and type of disability: 2021

(Number)

Sex and field of highest degree	Total	Hispanic or Latino	Not Hispanic or Latino						Without disability	With disability	Type of disability				
			American Indian or Alaska Native	Asian	Black or African American	Native Hawaiian or Other Pacific Islander	White	More than one race			Hearing	Seeing	Walking	Lifting	Cognitive
Both sexes, all fields	7,894,000	692,000	10,000	1,665,000	399,000	16,000	4,943,000	169,000	7,006,000	888,000	290,000	332,000	82,000	100,000	326,000
S&E fields	6,059,000	539,000	7,000	1,409,000	275,000	13,000	3,683,000	131,000	5,413,000	645,000	217,000	249,000	57,000	69,000	242,000
Biological, agricultural, and environmental life sciences	768,000	71,000	2,000	132,000	31,000	S	514,000	16,000	681,000	87,000	27,000	26,000	8,000	11,000	36,000
Computer and mathematical sciences	1,795,000	135,000	2,000	539,000	110,000	3,000	960,000	46,000	1,600,000	195,000	56,000	80,000	20,000	24,000	83,000
Physical and related sciences	461,000	35,000	S	88,000	10,000	D	316,000	11,000	393,000	68,000	21,000	29,000	2,000	S	22,000
Social and related sciences	758,000	85,000	1,000	59,000	43,000	2,000	553,000	17,000	663,000	96,000	31,000	27,000	12,000	10,000	39,000
Engineering	2,277,000	214,000	1,000	592,000	81,000	6,000	1,341,000	42,000	2,077,000	200,000	82,000	86,000	14,000	19,000	61,000
S&E-related fields	439,000	35,000	D	103,000	30,000	S	262,000	5,000	391,000	48,000	15,000	19,000	3,000	4,000	17,000
Non-S&E fields	1,396,000	117,000	S	153,000	93,000	2,000	998,000	32,000	1,201,000	195,000	58,000	64,000	22,000	27,000	67,000
Female	2,300,000	206,000	3,000	511,000	144,000	5,000	1,386,000	45,000	2,049,000	251,000	61,000	98,000	23,000	35,000	95,000
S&E fields	1,631,000	154,000	3,000	429,000	79,000	4,000	928,000	34,000	1,465,000	166,000	41,000	66,000	12,000	20,000	64,000
Biological, agricultural, and environmental life sciences	352,000	32,000	2,000	69,000	16,000	S	224,000	9,000	315,000	37,000	12,000	11,000	4,000	3,000	13,000
Computer and mathematical sciences	391,000	28,000	D	169,000	24,000	D	164,000	5,000	356,000	35,000	6,000	13,000	S	4,000	17,000
Physical and related sciences	131,000	10,000	D	28,000	2,000	D	87,000	3,000	115,000	16,000	2,000	6,000	D	S	9,000
Social and related sciences	391,000	44,000	1,000	36,000	24,000	D	275,000	10,000	346,000	45,000	14,000	14,000	6,000	7,000	16,000
Engineering	366,000	41,000	D	126,000	12,000	D	178,000	7,000	333,000	33,000	7,000	20,000	*	4,000	9,000
S&E-related fields	164,000	14,000	D	32,000	19,000	D	97,000	3,000	153,000	11,000	2,000	5,000	S	S	5,000
Non-S&E fields	505,000	39,000	D	50,000	46,000	D	361,000	9,000	431,000	75,000	18,000	27,000	S	S	26,000
Male	5,594,000	485,000	7,000	1,154,000	255,000	11,000	3,557,000	124,000	4,957,000	637,000	228,000	234,000	59,000	65,000	232,000
S&E fields	4,427,000	386,000	4,000	980,000	196,000	10,000	2,755,000	98,000	3,948,000	479,000	176,000	184,000	44,000	49,000	177,000
Biological, agricultural, and environmental life sciences	416,000	39,000	*	63,000	15,000	D	291,000	7,000	366,000	50,000	14,000	15,000	5,000	9,000	24,000
Computer and mathematical sciences	1,404,000	107,000	S	370,000	86,000	S	796,000	41,000	1,243,000	160,000	50,000	67,000	18,000	20,000	65,000
Physical and related sciences	330,000	26,000	D	60,000	8,000	D	229,000	8,000	278,000	52,000	19,000	23,000	2,000	1,000	13,000
Social and related sciences	367,000	41,000	S	22,000	18,000	S	277,000	7,000	317,000	51,000	17,000	13,000	6,000	3,000	23,000
Engineering	1,911,000	173,000	1,000	465,000	69,000	5,000	1,162,000	35,000	1,744,000	167,000	75,000	66,000	14,000	15,000	52,000
S&E-related fields	275,000	21,000	D	71,000	12,000	D	165,000	2,000	238,000	37,000	13,000	13,000	2,000	3,000	13,000
Non-S&E fields	891,000	78,000	S	103,000	47,000	S	637,000	24,000	771,000	120,000	39,000	37,000	13,000	14,000	41,000

* = 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. Scientists and engineers are bachelor's and higher degreed individuals living in the United States employed in an S&E occupation. Hispanic or Latino may be any race; race categories exclude Hispanic origin. The National Survey of College Graduates asks the degree of difficulty—none, slight, moderate, severe, or unable to do—an individual has in seeing (with glasses), hearing (with hearing aid), walking without assistance, lifting 10 pounds, or concentrating, remembering, or making decisions. Those respondents who answered "moderate," "severe," or "unable to do" for an activity were classified as having a disability.

Source(s):
National Center for Science and Engineering Statistics, National Survey of College Graduates, 2021.

TABLE 2-1

Employed college graduates, by level of highest degree, major occupation, sex, ethnicity, race, and disability status: 2021

(Number)

Level of highest degree and occupation	Total	Female	Male	Hispanic or Latino	Not Hispanic or Latino						Without disability	With disability
					American Indian or Alaska Native	Asian	Black	Native Hawaiian or Other Pacific Islander	White	More than one race		
All degrees	51,764,000	26,493,000	25,271,000	5,307,000	126,000	5,475,000	4,109,000	136,000	35,373,000	1,238,000	45,426,000	6,338,000
S&E occupations	7,894,000	2,300,000	5,594,000	692,000	10,000	1,665,000	399,000	16,000	4,943,000	169,000	7,006,000	888,000
Biological, agricultural, and other life scientists	794,000	367,000	427,000	72,000	2,000	167,000	32,000	1,000	501,000	19,000	708,000	86,000
Computer and mathematical scientists	4,031,000	1,053,000	2,979,000	328,000	5,000	1,064,000	242,000	6,000	2,296,000	89,000	3,558,000	473,000
Physical and related scientists	408,000	135,000	273,000	32,000	1,000	61,000	16,000	S	288,000	9,000	358,000	50,000
Social and related scientists	712,000	433,000	279,000	81,000	1,000	57,000	44,000	S	513,000	16,000	623,000	89,000
Engineers	1,949,000	312,000	1,636,000	178,000	2,000	316,000	65,000	7,000	1,345,000	36,000	1,758,000	191,000
S&E-related occupations	9,522,000	5,494,000	4,028,000	843,000	22,000	1,264,000	756,000	36,000	6,412,000	189,000	8,534,000	987,000
Non-S&E occupations	34,349,000	18,699,000	15,649,000	3,772,000	94,000	2,546,000	2,955,000	83,000	24,018,000	880,000	29,886,000	4,462,000
Bachelor's	31,688,000	15,827,000	15,861,000	3,497,000	64,000	2,882,000	2,410,000	97,000	21,895,000	845,000	27,506,000	4,182,000
S&E occupations	4,438,000	1,099,000	3,339,000	438,000	8,000	683,000	238,000	11,000	2,947,000	114,000	3,885,000	553,000
Biological, agricultural, and other life scientists	295,000	140,000	155,000	36,000	S	34,000	16,000	1,000	201,000	6,000	254,000	41,000
Computer and mathematical scientists	2,574,000	612,000	1,961,000	237,000	4,000	492,000	166,000	4,000	1,599,000	71,000	2,246,000	328,000
Physical and related scientists	177,000	62,000	116,000	17,000	*	17,000	7,000	*	129,000	6,000	152,000	25,000
Social and related scientists	170,000	106,000	64,000	23,000	D	15,000	7,000	D	118,000	S	152,000	18,000
Engineers	1,222,000	179,000	1,043,000	125,000	2,000	125,000	42,000	5,000	899,000	24,000	1,081,000	141,000
S&E-related occupations	5,031,000	3,044,000	1,988,000	498,000	12,000	646,000	378,000	27,000	3,372,000	98,000	4,435,000	597,000
Non-S&E occupations	22,219,000	11,685,000	10,534,000	2,561,000	45,000	1,553,000	1,794,000	58,000	15,576,000	632,000	19,186,000	3,032,000
Master's	14,688,000	8,314,000	6,375,000	1,337,000	50,000	1,828,000	1,337,000	34,000	9,797,000	305,000	13,079,000	1,609,000
S&E occupations	2,411,000	816,000	1,595,000	183,000	1,000	706,000	130,000	5,000	1,344,000	41,000	2,166,000	245,000
Biological, agricultural, and other life scientists	188,000	100,000	88,000	14,000	D	34,000	7,000	D	123,000	S	166,000	22,000
Computer and mathematical scientists	1,251,000	384,000	867,000	84,000	D	492,000	73,000	S	584,000	16,000	1,120,000	131,000
Physical and related scientists	105,000	43,000	61,000	10,000	D	16,000	5,000	D	71,000	2,000	90,000	15,000
Social and related scientists	283,000	180,000	102,000	32,000	D	21,000	23,000	S	200,000	5,000	248,000	35,000
Engineers	584,000	108,000	476,000	42,000	*	143,000	21,000	S	367,000	9,000	543,000	41,000
S&E-related occupations	2,578,000	1,580,000	998,000	181,000	4,000	314,000	242,000	6,000	1,775,000	56,000	2,326,000	252,000
Non-S&E occupations	9,699,000	5,918,000	3,781,000	973,000	45,000	808,000	965,000	23,000	6,677,000	208,000	8,587,000	1,112,000
Doctorate	2,141,000	887,000	1,254,000	149,000	6,000	438,000	143,000	S	1,377,000	27,000	1,934,000	207,000
S&E occupations	962,000	343,000	619,000	59,000	1,000	259,000	28,000	D	603,000	13,000	883,000	79,000
Biological, agricultural, and other life scientists	291,000	118,000	173,000	20,000	D	89,000	9,000	D	168,000	S	270,000	21,000
Computer and mathematical scientists	185,000	51,000	134,000	7,000	D	76,000	3,000	D	96,000	2,000	172,000	13,000
Physical and related scientists	125,000	30,000	95,000	5,000	D	28,000	3,000	D	87,000	1,000	115,000	10,000
Social and related scientists	221,000	120,000	101,000	15,000	1,000	16,000	11,000	D	173,000	4,000	195,000	27,000
Engineers	141,000	25,000	116,000	11,000	D	49,000	2,000	D	77,000	2,000	132,000	8,000
S&E-related occupations	374,000	197,000	177,000	23,000	D	84,000	24,000	D	237,000	4,000	345,000	29,000

TABLE 2-1

Employed college graduates, by level of highest degree, major occupation, sex, ethnicity, race, and disability status: 2021

(Number)

Level of highest degree and occupation	Total	Female	Male	Hispanic or Latino	Not Hispanic or Latino						Without disability	With disability
					American Indian or Alaska Native	Asian	Black	Native Hawaiian or Other Pacific Islander	White	More than one race		
Non-S&E occupations	805,000	347,000	458,000	67,000	3,000	96,000	91,000	S	537,000	11,000	706,000	99,000
Professional	3,246,000	1,466,000	1,781,000	324,000	S	327,000	219,000	S	2,305,000	61,000	2,907,000	340,000
S&E occupations	82,000	42,000	41,000	12,000	D	17,000	2,000	D	50,000	1,000	71,000	11,000
Biological, agricultural, and other life scientists	20,000	9,000	11,000	2,000	D	9,000	D	D	9,000	D	18,000	1,000
Computer and mathematical scientists	22,000	6,000	15,000	D	D	S	D	D	17,000	D	21,000	D
Physical and related scientists	1,000	D	S	D	D	D	D	D	S	D	S	D
Social and related scientists	38,000	27,000	12,000	S	D	4,000	2,000	D	22,000	D	29,000	S
Engineers	S	D	S	D	D	D	D	D	D	D	S	D
S&E-related occupations	1,538,000	674,000	865,000	140,000	D	220,000	112,000	D	1,027,000	31,000	1,429,000	110,000
Non-S&E occupations	1,626,000	750,000	876,000	171,000	S	89,000	106,000	S	1,228,000	30,000	1,407,000	219,000

* = 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. Hispanic or Latino may be any race; race categories exclude Hispanic origin. The National Survey of College Graduates asks the degree of difficulty—none, slight, moderate, severe, or unable to do—an individual has in seeing (with glasses), hearing (with hearing aid), walking without assistance, lifting 10 pounds, or concentrating, remembering, or making decisions. Those respondents who answered "moderate," "severe," or "unable to do" for an activity were classified as having a disability.

Source(s):
National Center for Science and Engineering Statistics, National Survey of College Graduates, 2021.

TABLE 2-2

Full-time employed college graduates, by major occupation, age, level of highest degree, and sex: 2021

(Number)

Occupation and age	All degrees			Bachelor's			Master's			Doctorate			Professional		
	Total	Female	Male	Total	Female	Male	Total	Female	Male	Total	Female	Male	Total	Female	Male
All occupations, all ages	44,153,000	21,594,000	22,559,000	26,882,000	12,652,000	14,229,000	12,668,000	6,974,000	5,695,000	1,877,000	758,000	1,119,000	2,726,000	1,210,000	1,516,000
29 and younger	6,586,000	3,615,000	2,971,000	4,982,000	2,615,000	2,367,000	1,298,000	814,000	484,000	58,000	29,000	29,000	249,000	157,000	92,000
30–39	12,566,000	6,284,000	6,282,000	7,464,000	3,533,000	3,931,000	3,791,000	2,102,000	1,689,000	521,000	226,000	295,000	790,000	423,000	367,000
40–49	10,750,000	5,378,000	5,373,000	5,987,000	2,821,000	3,166,000	3,534,000	1,987,000	1,547,000	508,000	216,000	291,000	722,000	353,000	369,000
50–75	14,251,000	6,317,000	7,933,000	8,449,000	3,683,000	4,766,000	4,045,000	2,070,000	1,975,000	791,000	287,000	504,000	965,000	277,000	688,000
S&E occupations	7,230,000	1,998,000	5,232,000	4,152,000	978,000	3,174,000	2,148,000	690,000	1,458,000	865,000	296,000	569,000	66,000	34,000	32,000
29 and younger	1,430,000	444,000	986,000	1,071,000	312,000	759,000	326,000	119,000	207,000	30,000	12,000	18,000	3,000	S	D
30–39	2,351,000	649,000	1,702,000	1,262,000	274,000	989,000	757,000	247,000	509,000	311,000	117,000	194,000	21,000	11,000	10,000
40–49	1,560,000	435,000	1,125,000	833,000	188,000	645,000	478,000	148,000	330,000	231,000	86,000	144,000	18,000	13,000	5,000
50–75	1,890,000	470,000	1,420,000	986,000	204,000	781,000	587,000	176,000	411,000	292,000	80,000	212,000	24,000	9,000	15,000
Biological, agricultural, and other life scientists	711,000	326,000	385,000	260,000	121,000	138,000	164,000	86,000	78,000	269,000	110,000	159,000	18,000	8,000	10,000
29 and younger	153,000	77,000	76,000	103,000	52,000	51,000	37,000	17,000	20,000	11,000	7,000	4,000	S	D	D
30–39	241,000	111,000	130,000	76,000	32,000	44,000	61,000	34,000	27,000	103,000	44,000	59,000	2,000	S	1,000
40–49	151,000	72,000	79,000	43,000	21,000	22,000	27,000	18,000	9,000	73,000	28,000	45,000	9,000	5,000	3,000
50–75	165,000	65,000	100,000	38,000	16,000	22,000	39,000	17,000	23,000	82,000	31,000	51,000	6,000	2,000	4,000
Computer and mathematical scientists	3,822,000	972,000	2,850,000	2,455,000	566,000	1,889,000	1,173,000	354,000	819,000	173,000	45,000	128,000	21,000	S	15,000
29 and younger	706,000	187,000	518,000	548,000	136,000	412,000	152,000	51,000	101,000	6,000	S	5,000	D	D	D
30–39	1,267,000	287,000	980,000	791,000	158,000	633,000	402,000	113,000	289,000	68,000	16,000	52,000	6,000	D	6,000
40–49	870,000	225,000	644,000	529,000	122,000	406,000	288,000	82,000	206,000	48,000	17,000	30,000	S	D	D
50–75	979,000	272,000	707,000	587,000	150,000	437,000	330,000	108,000	222,000	52,000	12,000	40,000	10,000	D	S
Physical and related scientists	361,000	116,000	245,000	160,000	55,000	105,000	82,000	32,000	49,000	118,000	28,000	90,000	S	D	*
29 and younger	69,000	27,000	42,000	45,000	19,000	26,000	17,000	6,000	11,000	7,000	2,000	5,000	D	D	D
30–39	117,000	49,000	68,000	52,000	21,000	31,000	26,000	13,000	13,000	39,000	15,000	24,000	D	D	D
40–49	77,000	24,000	53,000	29,000	9,000	20,000	18,000	9,000	10,000	30,000	7,000	24,000	D	D	D
50–75	97,000	16,000	82,000	35,000	7,000	28,000	20,000	4,000	16,000	42,000	5,000	38,000	D	D	D
Social and related scientists	504,000	301,000	204,000	113,000	67,000	46,000	196,000	124,000	72,000	170,000	90,000	80,000	25,000	20,000	6,000
29 and younger	87,000	61,000	26,000	48,000	32,000	16,000	35,000	26,000	9,000	3,000	2,000	1,000	D	D	D
30–39	173,000	107,000	66,000	29,000	18,000	11,000	79,000	47,000	31,000	53,000	31,000	22,000	12,000	S	2,000
40–49	106,000	69,000	37,000	19,000	11,000	7,000	35,000	25,000	11,000	48,000	29,000	19,000	4,000	3,000	*
50–75	138,000	65,000	74,000	18,000	6,000	12,000	47,000	26,000	21,000	65,000	28,000	37,000	8,000	5,000	4,000
Engineers	1,832,000	284,000	1,548,000	1,163,000	167,000	996,000	534,000	94,000	439,000	134,000	22,000	112,000	S	D	S
29 and younger	414,000	92,000	323,000	326,000	73,000	253,000	85,000	18,000	67,000	4,000	1,000	3,000	D	D	D
30–39	553,000	96,000	457,000	315,000	44,000	271,000	189,000	40,000	149,000	48,000	12,000	37,000	D	D	D
40–49	356,000	45,000	311,000	215,000	25,000	190,000	109,000	15,000	94,000	31,000	5,000	26,000	D	D	D
50–75	509,000	52,000	458,000	308,000	25,000	283,000	151,000	22,000	129,000	50,000	5,000	46,000	D	D	D

TABLE 2-2

Full-time employed college graduates, by major occupation, age, level of highest degree, and sex: 2021

(Number)

Occupation and age	All degrees			Bachelor's			Master's			Doctorate			Professional		
	Total	Female	Male	Total	Female	Male	Total	Female	Male	Total	Female	Male	Total	Female	Male
S&E-related occupations	7,975,000	4,380,000	3,595,000	4,119,000	2,335,000	1,784,000	2,247,000	1,327,000	920,000	336,000	171,000	165,000	1,273,000	546,000	726,000
29 and younger	1,189,000	763,000	426,000	805,000	497,000	309,000	232,000	168,000	64,000	22,000	13,000	9,000	130,000	86,000	44,000
30–39	2,366,000	1,350,000	1,016,000	1,136,000	642,000	494,000	696,000	421,000	275,000	103,000	53,000	50,000	431,000	233,000	198,000
40–49	1,982,000	1,055,000	926,000	937,000	512,000	424,000	617,000	361,000	257,000	99,000	51,000	48,000	329,000	132,000	197,000
50–75	2,438,000	1,211,000	1,227,000	1,241,000	684,000	557,000	702,000	378,000	324,000	113,000	54,000	59,000	383,000	96,000	287,000
Non-S&E occupations	28,948,000	15,216,000	13,732,000	18,611,000	9,339,000	9,271,000	8,274,000	4,956,000	3,318,000	676,000	291,000	385,000	1,387,000	630,000	758,000
29 and younger	3,967,000	2,408,000	1,560,000	3,106,000	1,806,000	1,299,000	740,000	528,000	212,000	S	S	S	116,000	70,000	46,000
30–39	7,849,000	4,284,000	3,564,000	5,065,000	2,617,000	2,448,000	2,339,000	1,434,000	905,000	107,000	55,000	52,000	338,000	179,000	159,000
40–49	7,209,000	3,888,000	3,322,000	4,217,000	2,121,000	2,096,000	2,439,000	1,479,000	960,000	178,000	79,000	99,000	375,000	209,000	167,000
50–75	9,923,000	4,637,000	5,286,000	6,222,000	2,795,000	3,428,000	2,757,000	1,516,000	1,240,000	386,000	153,000	233,000	558,000	172,000	386,000

* = 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. Full-time employed college graduates are individuals working at least 35 hours in a typical week.

Source(s):
National Center for Science and Engineering Statistics, National Survey of College Graduates, 2021.

TABLE 2-3

Full-time employed college graduates, by sex, major occupation, age, ethnicity, race, disability status, and citizenship status: 2021

(Number)

Sex, occupation, and age	Total	Hispanic or Latino	Not Hispanic or Latino						Without disability	With disability	U.S. citizen	Non-U.S. citizen
			American Indian or Alaska Native	Asian	Black or African American	Native Hawaiian or Other Pacific Islander	White	More than one race				
Both sexes, all occupations	44,153,000	4,608,000	107,000	4,772,000	3,618,000	128,000	29,833,000	1,087,000	39,002,000	5,151,000	41,706,000	2,447,000
29 and younger	6,586,000	834,000	S	771,000	459,000	9,000	4,250,000	233,000	5,948,000	638,000	6,183,000	403,000
30–39	12,566,000	1,508,000	20,000	1,543,000	920,000	31,000	8,186,000	359,000	11,559,000	1,007,000	11,488,000	1,078,000
40–49	10,750,000	1,165,000	16,000	1,260,000	982,000	55,000	7,003,000	271,000	9,561,000	1,190,000	10,101,000	649,000
50–75	14,251,000	1,101,000	42,000	1,198,000	1,257,000	33,000	10,394,000	225,000	11,934,000	2,316,000	13,934,000	317,000
S&E occupations	7,230,000	636,000	9,000	1,536,000	369,000	15,000	4,505,000	161,000	6,438,000	792,000	6,267,000	964,000
29 and younger	1,430,000	158,000	S	301,000	61,000	4,000	850,000	52,000	1,319,000	111,000	1,245,000	185,000
30–39	2,351,000	240,000	2,000	554,000	111,000	5,000	1,390,000	49,000	2,122,000	229,000	1,839,000	513,000
40–49	1,560,000	122,000	2,000	393,000	95,000	4,000	912,000	32,000	1,397,000	163,000	1,360,000	200,000
50–75	1,890,000	117,000	2,000	287,000	102,000	2,000	1,353,000	27,000	1,601,000	288,000	1,823,000	66,000
Biological, agricultural, and other life scientists	711,000	65,000	1,000	153,000	27,000	S	445,000	19,000	638,000	73,000	601,000	109,000
29 and younger	153,000	20,000	D	24,000	7,000	D	88,000	S	134,000	19,000	139,000	14,000
30–39	241,000	26,000	D	57,000	9,000	D	145,000	3,000	218,000	23,000	178,000	63,000
40–49	151,000	9,000	D	34,000	6,000	D	100,000	1,000	142,000	9,000	128,000	23,000
50–75	165,000	9,000	D	37,000	5,000	D	112,000	2,000	143,000	22,000	156,000	9,000
Computer and mathematical scientists	3,822,000	312,000	5,000	1,002,000	235,000	6,000	2,173,000	88,000	3,374,000	448,000	3,213,000	610,000
29 and younger	706,000	74,000	D	184,000	34,000	D	386,000	24,000	654,000	51,000	589,000	116,000
30–39	1,267,000	126,000	S	367,000	69,000	S	678,000	25,000	1,124,000	143,000	934,000	333,000
40–49	870,000	53,000	D	284,000	64,000	D	445,000	22,000	776,000	94,000	739,000	131,000
50–75	979,000	60,000	D	167,000	68,000	2,000	665,000	18,000	820,000	159,000	950,000	29,000
Physical and related scientists	361,000	29,000	1,000	50,000	13,000	S	260,000	7,000	315,000	46,000	319,000	42,000
29 and younger	69,000	8,000	D	16,000	1,000	D	41,000	3,000	62,000	7,000	56,000	13,000
30–39	117,000	6,000	D	16,000	7,000	D	86,000	3,000	104,000	13,000	98,000	20,000
40–49	77,000	12,000	D	8,000	1,000	D	54,000	1,000	65,000	12,000	72,000	6,000
50–75	97,000	4,000	S	10,000	3,000	D	79,000	*	83,000	14,000	94,000	4,000
Social and related scientists	504,000	56,000	1,000	35,000	31,000	S	369,000	13,000	447,000	57,000	470,000	35,000
29 and younger	87,000	8,000	D	9,000	4,000	D	64,000	2,000	81,000	6,000	81,000	6,000
30–39	173,000	26,000	D	15,000	9,000	D	116,000	S	156,000	17,000	156,000	17,000
40–49	106,000	13,000	D	7,000	8,000	D	75,000	2,000	93,000	13,000	99,000	S
50–75	138,000	9,000	D	4,000	10,000	D	114,000	1,000	116,000	22,000	134,000	4,000
Engineers	1,832,000	174,000	2,000	295,000	62,000	6,000	1,258,000	34,000	1,664,000	168,000	1,664,000	168,000
29 and younger	414,000	48,000	*	68,000	14,000	D	271,000	11,000	386,000	28,000	380,000	35,000
30–39	553,000	57,000	S	99,000	18,000	2,000	364,000	11,000	519,000	33,000	473,000	80,000
40–49	356,000	34,000	D	61,000	14,000	2,000	238,000	6,000	320,000	35,000	322,000	33,000
50–75	509,000	35,000	*	68,000	16,000	*	384,000	6,000	438,000	71,000	489,000	20,000

TABLE 2-3

Full-time employed college graduates, by sex, major occupation, age, ethnicity, race, disability status, and citizenship status: 2021

(Number)

Sex, occupation, and age	Total	Hispanic or Latino	Not Hispanic or Latino						Without disability	With disability	U.S. citizen	Non-U.S. citizen
			American Indian or Alaska Native	Asian	Black or African American	Native Hawaiian or Other Pacific Islander	White	More than one race				
S&E-related occupations	7,975,000	712,000	20,000	1,085,000	658,000	35,000	5,311,000	153,000	7,179,000	795,000	7,519,000	456,000
29 and younger	1,189,000	122,000	S	145,000	76,000	2,000	808,000	32,000	1,098,000	91,000	1,122,000	67,000
30–39	2,366,000	232,000	7,000	312,000	179,000	2,000	1,577,000	58,000	2,190,000	176,000	2,171,000	196,000
40–49	1,982,000	168,000	S	321,000	179,000	29,000	1,238,000	40,000	1,801,000	180,000	1,850,000	131,000
50–75	2,438,000	190,000	3,000	307,000	224,000	2,000	1,688,000	24,000	2,089,000	349,000	2,376,000	62,000
Non-S&E occupations	28,948,000	3,260,000	78,000	2,151,000	2,592,000	78,000	20,017,000	773,000	25,384,000	3,564,000	27,921,000	1,028,000
29 and younger	3,967,000	554,000	S	324,000	323,000	S	2,592,000	149,000	3,531,000	436,000	3,815,000	152,000
30–39	7,849,000	1,036,000	11,000	677,000	630,000	24,000	5,219,000	252,000	7,247,000	602,000	7,479,000	370,000
40–49	7,209,000	875,000	8,000	545,000	708,000	22,000	4,853,000	198,000	6,363,000	847,000	6,891,000	318,000
50–75	9,923,000	795,000	37,000	604,000	932,000	29,000	7,353,000	174,000	8,244,000	1,679,000	9,735,000	188,000
Female, all occupations	21,594,000	2,448,000	61,000	2,233,000	2,136,000	62,000	14,112,000	542,000	19,206,000	2,388,000	20,643,000	951,000
29 and younger	3,615,000	498,000	S	417,000	303,000	S	2,267,000	103,000	3,214,000	401,000	3,406,000	209,000
30–39	6,284,000	820,000	10,000	739,000	519,000	S	4,016,000	163,000	5,793,000	490,000	5,863,000	421,000
40–49	5,378,000	595,000	S	596,000	626,000	27,000	3,353,000	170,000	4,788,000	590,000	5,168,000	210,000
50–75	6,317,000	535,000	19,000	481,000	688,000	S	4,477,000	105,000	5,411,000	906,000	6,206,000	111,000
S&E occupations	1,998,000	179,000	2,000	462,000	132,000	4,000	1,177,000	42,000	1,783,000	215,000	1,745,000	253,000
29 and younger	444,000	50,000	S	117,000	21,000	D	237,000	17,000	398,000	46,000	381,000	62,000
30–39	649,000	67,000	*	154,000	25,000	D	387,000	16,000	588,000	62,000	511,000	139,000
40–49	435,000	32,000	S	114,000	41,000	2,000	240,000	7,000	386,000	49,000	398,000	37,000
50–75	470,000	31,000	*	77,000	45,000	S	313,000	2,000	411,000	59,000	455,000	15,000
Biological, agricultural, and other life scientists	326,000	34,000	*	70,000	17,000	D	196,000	8,000	297,000	29,000	278,000	48,000
29 and younger	77,000	13,000	D	15,000	S	D	39,000	S	65,000	12,000	70,000	7,000
30–39	111,000	13,000	D	24,000	4,000	D	67,000	2,000	103,000	7,000	84,000	27,000
40–49	72,000	5,000	D	15,000	S	D	46,000	*	69,000	4,000	63,000	10,000
50–75	65,000	3,000	D	16,000	S	D	44,000	1,000	60,000	6,000	61,000	4,000
Computer and mathematical scientists	972,000	69,000	D	295,000	81,000	S	512,000	14,000	868,000	105,000	828,000	144,000
29 and younger	187,000	17,000	D	72,000	12,000	D	80,000	6,000	168,000	19,000	147,000	40,000
30–39	287,000	20,000	D	94,000	12,000	D	157,000	4,000	260,000	27,000	210,000	77,000
40–49	225,000	10,000	D	81,000	27,000	D	104,000	3,000	201,000	25,000	205,000	21,000
50–75	272,000	22,000	D	48,000	30,000	D	171,000	S	239,000	33,000	266,000	S
Physical and related scientists	116,000	10,000	D	14,000	3,000	D	85,000	3,000	98,000	18,000	104,000	12,000
29 and younger	27,000	3,000	D	4,000	*	D	18,000	D	23,000	3,000	23,000	3,000
30–39	49,000	3,000	D	5,000	1,000	D	39,000	1,000	41,000	8,000	42,000	7,000
40–49	24,000	3,000	D	2,000	S	D	17,000	*	20,000	4,000	23,000	S
50–75	16,000	1,000	D	3,000	1,000	D	11,000	D	14,000	2,000	15,000	1,000

TABLE 2-3

Full-time employed college graduates, by sex, major occupation, age, ethnicity, race, disability status, and citizenship status: 2021

(Number)

Sex, occupation, and age	Total	Hispanic or Latino	Not Hispanic or Latino						Without disability	With disability	U.S. citizen	Non-U.S. citizen
			American Indian or Alaska Native	Asian	Black or African American	Native Hawaiian or Other Pacific Islander	White	More than one race				
Social and related scientists	301,000	35,000	*	20,000	22,000	D	213,000	10,000	266,000	35,000	284,000	17,000
29 and younger	61,000	5,000	D	7,000	2,000	D	45,000	1,000	58,000	3,000	57,000	4,000
30–39	107,000	17,000	D	8,000	5,000	D	71,000	S	95,000	12,000	98,000	8,000
40–49	69,000	8,000	D	4,000	7,000	D	46,000	2,000	59,000	10,000	66,000	2,000
50–75	65,000	4,000	D	2,000	7,000	D	51,000	*	54,000	10,000	63,000	S
Engineers	284,000	32,000	D	63,000	9,000	D	171,000	7,000	255,000	28,000	251,000	32,000
29 and younger	92,000	12,000	D	20,000	1,000	D	55,000	3,000	84,000	8,000	85,000	7,000
30–39	96,000	14,000	D	23,000	2,000	D	54,000	3,000	88,000	7,000	76,000	19,000
40–49	45,000	5,000	D	10,000	1,000	D	27,000	1,000	39,000	S	42,000	3,000
50–75	52,000	2,000	D	10,000	4,000	D	36,000	*	45,000	7,000	49,000	S
S&E-related occupations	4,380,000	433,000	15,000	539,000	421,000	S	2,853,000	100,000	3,988,000	392,000	4,173,000	207,000
29 and younger	763,000	77,000	S	81,000	54,000	1,000	525,000	21,000	707,000	57,000	722,000	42,000
30–39	1,350,000	151,000	4,000	168,000	115,000	1,000	873,000	38,000	1,255,000	95,000	1,259,000	91,000
40–49	1,055,000	93,000	S	161,000	106,000	S	647,000	28,000	966,000	89,000	1,000,000	55,000
50–75	1,211,000	113,000	2,000	129,000	146,000	D	808,000	12,000	1,060,000	151,000	1,192,000	19,000
Non-S&E occupations	15,216,000	1,835,000	44,000	1,231,000	1,583,000	40,000	10,082,000	401,000	13,435,000	1,781,000	14,725,000	491,000
29 and younger	2,408,000	371,000	S	219,000	228,000	S	1,505,000	65,000	2,109,000	299,000	2,303,000	105,000
30–39	4,284,000	602,000	S	417,000	379,000	S	2,755,000	109,000	3,951,000	334,000	4,093,000	192,000
40–49	3,888,000	471,000	5,000	321,000	479,000	S	2,466,000	135,000	3,436,000	452,000	3,769,000	118,000
50–75	4,637,000	391,000	16,000	274,000	497,000	S	3,356,000	91,000	3,940,000	697,000	4,559,000	77,000
Male, all occupations	22,559,000	2,161,000	46,000	2,539,000	1,482,000	66,000	15,721,000	545,000	19,796,000	2,764,000	21,063,000	1,496,000
29 and younger	2,971,000	336,000	S	354,000	156,000	5,000	1,983,000	130,000	2,734,000	237,000	2,777,000	195,000
30–39	6,282,000	688,000	10,000	804,000	400,000	13,000	4,170,000	195,000	5,766,000	516,000	5,625,000	657,000
40–49	5,373,000	570,000	5,000	664,000	355,000	28,000	3,650,000	100,000	4,773,000	600,000	4,933,000	440,000
50–75	7,933,000	567,000	23,000	718,000	570,000	20,000	5,917,000	119,000	6,523,000	1,410,000	7,728,000	205,000
S&E occupations	5,232,000	457,000	7,000	1,074,000	237,000	11,000	3,328,000	119,000	4,655,000	577,000	4,521,000	711,000
29 and younger	986,000	107,000	S	184,000	40,000	S	613,000	36,000	920,000	65,000	864,000	122,000
30–39	1,702,000	173,000	2,000	400,000	86,000	5,000	1,003,000	33,000	1,534,000	167,000	1,328,000	374,000
40–49	1,125,000	90,000	S	280,000	53,000	2,000	672,000	25,000	1,010,000	115,000	961,000	163,000
50–75	1,420,000	86,000	1,000	209,000	57,000	1,000	1,040,000	25,000	1,190,000	230,000	1,369,000	51,000
Biological, agricultural, and other life scientists	385,000	31,000	D	83,000	11,000	D	249,000	S	341,000	44,000	324,000	61,000
29 and younger	76,000	7,000	D	10,000	S	D	49,000	S	69,000	7,000	69,000	7,000
30–39	130,000	13,000	D	33,000	5,000	D	79,000	1,000	115,000	15,000	94,000	36,000
40–49	79,000	4,000	D	19,000	1,000	D	54,000	D	74,000	5,000	66,000	13,000
50–75	100,000	7,000	D	21,000	3,000	D	68,000	1,000	84,000	16,000	95,000	5,000

TABLE 2-3

Full-time employed college graduates, by sex, major occupation, age, ethnicity, race, disability status, and citizenship status: 2021

(Number)

Sex, occupation, and age	Total	Hispanic or Latino	Not Hispanic or Latino						Without disability	With disability	U.S. citizen	Non-U.S. citizen
			American Indian or Alaska Native	Asian	Black or African American	Native Hawaiian or Other Pacific Islander	White	More than one race				
Computer and mathematical scientists	2,850,000	243,000	S	708,000	154,000	5,000	1,662,000	74,000	2,507,000	343,000	2,384,000	466,000
29 and younger	518,000	57,000	D	112,000	22,000	D	306,000	18,000	486,000	32,000	442,000	76,000
30–39	980,000	105,000	D	273,000	57,000	S	521,000	21,000	864,000	116,000	724,000	256,000
40–49	644,000	43,000	D	203,000	37,000	D	341,000	19,000	575,000	69,000	534,000	110,000
50–75	707,000	38,000	D	120,000	37,000	S	494,000	17,000	581,000	126,000	684,000	23,000
Physical and related scientists	245,000	19,000	*	36,000	10,000	S	175,000	4,000	217,000	28,000	215,000	31,000
29 and younger	42,000	4,000	D	12,000	1,000	D	23,000	1,000	39,000	S	33,000	10,000
30–39	68,000	3,000	D	11,000	S	D	48,000	1,000	63,000	5,000	55,000	13,000
40–49	53,000	9,000	D	6,000	S	D	37,000	1,000	46,000	8,000	48,000	5,000
50–75	82,000	3,000	D	7,000	2,000	D	68,000	*	69,000	12,000	78,000	3,000
Social and related scientists	204,000	21,000	D	15,000	9,000	D	156,000	2,000	181,000	23,000	186,000	18,000
29 and younger	26,000	3,000	D	2,000	S	D	19,000	S	23,000	S	25,000	2,000
30–39	66,000	9,000	D	7,000	4,000	D	45,000	S	62,000	5,000	58,000	8,000
40–49	37,000	5,000	D	2,000	S	D	29,000	*	34,000	S	33,000	S
50–75	74,000	4,000	D	3,000	3,000	D	63,000	1,000	62,000	12,000	71,000	3,000
Engineers	1,548,000	142,000	2,000	233,000	53,000	5,000	1,087,000	27,000	1,409,000	139,000	1,413,000	135,000
29 and younger	323,000	36,000	D	48,000	13,000	D	217,000	8,000	303,000	20,000	295,000	28,000
30–39	457,000	43,000	S	76,000	15,000	2,000	311,000	9,000	431,000	26,000	397,000	60,000
40–49	311,000	29,000	D	50,000	13,000	S	212,000	5,000	282,000	29,000	281,000	30,000
50–75	458,000	33,000	*	58,000	12,000	D	348,000	6,000	394,000	64,000	441,000	17,000
S&E-related occupations	3,595,000	279,000	5,000	546,000	237,000	18,000	2,458,000	53,000	3,191,000	404,000	3,346,000	249,000
29 and younger	426,000	45,000	D	64,000	22,000	D	283,000	10,000	392,000	34,000	401,000	25,000
30–39	1,016,000	81,000	3,000	144,000	63,000	S	704,000	20,000	935,000	81,000	911,000	105,000
40–49	926,000	76,000	*	160,000	73,000	14,000	591,000	12,000	836,000	91,000	850,000	77,000
50–75	1,227,000	77,000	1,000	178,000	77,000	S	880,000	11,000	1,029,000	198,000	1,184,000	43,000
Non-S&E occupations	13,732,000	1,425,000	35,000	920,000	1,008,000	37,000	9,935,000	373,000	11,949,000	1,783,000	13,196,000	536,000
29 and younger	1,560,000	183,000	S	105,000	94,000	S	1,087,000	84,000	1,422,000	137,000	1,512,000	47,000
30–39	3,564,000	434,000	S	260,000	251,000	S	2,464,000	142,000	3,296,000	268,000	3,386,000	178,000
40–49	3,322,000	404,000	4,000	224,000	228,000	11,000	2,387,000	63,000	2,927,000	395,000	3,122,000	200,000
50–75	5,286,000	404,000	21,000	330,000	435,000	17,000	3,997,000	83,000	4,304,000	982,000	5,175,000	111,000

* = 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. Full-time employed college graduates are individuals working at least 35 hours in a typical week. Hispanic or Latino may be any race; race categories exclude Hispanic origin. The National Survey of College Graduates asks the degree of difficulty—none, slight, moderate, severe, or unable to do—an individual has in seeing (with glasses), hearing (with hearing aid), walking without assistance, lifting 10 pounds, or concentrating, remembering, or making decisions. Those respondents who answered "moderate," "severe," or "unable to do" for an activity were classified as having a disability.

Source(s):
National Center for Science and Engineering Statistics, National Survey of College Graduates, 2021.

TABLE 2-4

Employed college graduates, by minor occupation and major field of highest degree: 2021

(Number)

Occupation	Total	S&E fields						S&E-related fields	Non-S&E fields
		Total	Biological, agricultural, and environmental life sciences	Computer and mathematical sciences	Physical and related sciences	Social and related sciences	Engineering		
All college graduates	51,764,000	16,408,000	2,570,000	3,147,000	906,000	5,774,000	4,011,000	7,822,000	27,535,000
S&E occupations	7,894,000	6,059,000	768,000	1,795,000	461,000	758,000	2,277,000	439,000	1,396,000
Biological, agricultural, and other life scientists	794,000	651,000	537,000	7,000	54,000	22,000	31,000	99,000	44,000
Agricultural and food scientists	74,000	71,000	62,000	D	6,000	1,000	1,000	1,000	2,000
Biological and medical scientists	572,000	457,000	361,000	6,000	44,000	16,000	30,000	90,000	25,000
Environmental life scientists	45,000	32,000	29,000	D	S	1,000	D	D	S
Postsecondary teachers - life and related sciences	103,000	91,000	85,000	D	3,000	3,000	S	7,000	4,000
Computer and mathematical scientists	4,031,000	2,848,000	103,000	1,724,000	91,000	239,000	692,000	189,000	995,000
Computer and information scientists	3,627,000	2,585,000	83,000	1,572,000	78,000	191,000	661,000	165,000	877,000
Mathematical scientists	293,000	173,000	18,000	75,000	10,000	46,000	23,000	16,000	104,000
Postsecondary teachers - computer and math sciences	111,000	91,000	2,000	77,000	S	2,000	8,000	8,000	13,000
Physical and related scientists	408,000	374,000	80,000	3,000	254,000	10,000	27,000	14,000	21,000
Chemists, except biochemists	114,000	101,000	22,000	*	69,000	1,000	9,000	6,000	6,000
Earth, atmospheric, and ocean scientists	91,000	86,000	5,000	S	72,000	3,000	5,000	D	4,000
Physicists	41,000	40,000	S	D	34,000	D	5,000	1,000	D
Other physical and related scientists, including astronomers	82,000	71,000	40,000	D	19,000	5,000	6,000	5,000	7,000
Postsecondary teachers - physical and related sciences	80,000	75,000	12,000	D	59,000	1,000	S	D	S
Social and related scientists	712,000	499,000	18,000	10,000	4,000	462,000	5,000	52,000	160,000
Economists	47,000	37,000	1,000	1,000	D	35,000	*	S	9,000
Political scientists	39,000	24,000	D	D	D	19,000	D	D	15,000
Psychologists	233,000	193,000	4,000	D	D	189,000	D	7,000	33,000
Anthropologists	13,000	11,000	D	D	D	10,000	D	D	2,000

TABLE 2-4

Employed college graduates, by minor occupation and major field of highest degree: 2021

(Number)

Occupation	Total	S&E fields						S&E-related fields	Non-S&E fields
		Total	Biological, agricultural, and environmental life sciences	Computer and mathematical sciences	Physical and related sciences	Social and related sciences	Engineering		
Other social and related scientists	191,000	103,000	9,000	9,000	3,000	80,000	S	40,000	48,000
Postsecondary teachers - social and related sciences	188,000	131,000	S	*	D	129,000	D	3,000	54,000
Engineers	1,949,000	1,686,000	30,000	51,000	58,000	25,000	1,522,000	86,000	177,000
Aerospace, aeronautical, and astronautical engineers	127,000	110,000	D	1,000	6,000	D	101,000	3,000	15,000
Chemical engineers	80,000	71,000	1,000	D	6,000	D	64,000	S	8,000
Civil, architectural, and sanitary engineers	303,000	274,000	S	1,000	1,000	S	268,000	12,000	18,000
Electrical and computer hardware engineers	399,000	365,000	D	23,000	10,000	S	329,000	13,000	22,000
Industrial engineers	96,000	69,000	3,000	S	3,000	S	57,000	4,000	22,000
Mechanical engineers	388,000	343,000	S	S	3,000	2,000	332,000	20,000	24,000
Other engineers	501,000	406,000	20,000	19,000	27,000	16,000	324,000	30,000	65,000
Postsecondary teachers - engineering	55,000	49,000	*	S	2,000	D	46,000	3,000	3,000
S&E-related occupations	9,522,000	2,405,000	667,000	463,000	148,000	486,000	641,000	5,519,000	1,597,000
Health-related occupations	6,136,000	764,000	381,000	45,000	43,000	283,000	12,000	4,701,000	671,000
S&E managers	1,135,000	587,000	83,000	136,000	32,000	77,000	258,000	303,000	245,000
S&E precollege teachers	915,000	225,000	59,000	64,000	24,000	67,000	11,000	235,000	455,000
S&E technicians and technologists	1,088,000	791,000	142,000	193,000	49,000	57,000	350,000	92,000	205,000
Other S&E-related occupations	248,000	39,000	S	25,000	D	2,000	10,000	188,000	21,000
Non-S&E occupations	34,349,000	7,944,000	1,136,000	889,000	297,000	4,529,000	1,093,000	1,863,000	24,541,000
Non-S&E managers	4,985,000	1,368,000	176,000	180,000	58,000	599,000	354,000	328,000	3,288,000
Management-related occupations	7,868,000	2,012,000	265,000	313,000	77,000	1,055,000	303,000	423,000	5,433,000
Non-S&E precollege teachers	3,919,000	383,000	48,000	37,000	12,000	273,000	13,000	159,000	3,378,000
Non-S&E postsecondary teachers	559,000	75,000	S	8,000	S	56,000	3,000	28,000	457,000

TABLE 2-4

Employed college graduates, by minor occupation and major field of highest degree: 2021

(Number)

Occupation	Total	S&E fields						S&E-related fields	Non-S&E fields
		Total	Biological, agricultural, and environmental life sciences	Computer and mathematical sciences	Physical and related sciences	Social and related sciences	Engineering		
Social services and related occupations	2,072,000	631,000	22,000	19,000	6,000	573,000	10,000	113,000	1,327,000
Sales and marketing occupations	4,448,000	894,000	141,000	72,000	28,000	542,000	110,000	231,000	3,323,000
Art, humanities, and related occupations	1,408,000	182,000	36,000	12,000	S	118,000	12,000	54,000	1,172,000
Other non-S&E occupations	9,089,000	2,400,000	440,000	247,000	112,000	1,312,000	288,000	527,000	6,162,000

* = 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, 2021.

TABLE 2-5

Employed college graduates, by major occupation, sex, ethnicity, race, disability status, and detailed employment sector: 2021

(Number)

Occupation, sex, ethnicity, race, and disability status	Total	Business or industry				Education			Government		
		Business or industry, total	For-profit business or industry	Nonprofit business or industry	Self-employed, not incorporated	Education, total	4-year educational institution[a]	2-year college or precollege educational institution	Government, total	Federal government	State or local government
All occupations	51,764,000	36,346,000	27,666,000	5,237,000	3,443,000	9,978,000	3,342,000	6,637,000	5,439,000	2,114,000	3,325,000
Female	26,493,000	16,957,000	11,757,000	3,448,000	1,751,000	6,863,000	1,899,000	4,964,000	2,674,000	885,000	1,789,000
Male	25,271,000	19,390,000	15,909,000	1,789,000	1,692,000	3,116,000	1,443,000	1,673,000	2,765,000	1,229,000	1,536,000
Hispanic or Latino	5,307,000	3,392,000	2,668,000	452,000	273,000	1,176,000	343,000	833,000	739,000	283,000	456,000
Not Hispanic or Latino											
American Indian or Alaska Native	126,000	76,000	59,000	12,000	5,000	23,000	3,000	20,000	28,000	2,000	26,000
Asian	5,475,000	4,278,000	3,590,000	425,000	263,000	728,000	493,000	235,000	469,000	167,000	303,000
Black or African American	4,109,000	2,467,000	1,755,000	563,000	148,000	838,000	241,000	597,000	804,000	334,000	471,000
Native Hawaiian or Other Pacific Islander	136,000	86,000	60,000	22,000	S	13,000	9,000	4,000	37,000	9,000	28,000
White	35,373,000	25,160,000	18,870,000	3,652,000	2,638,000	6,986,000	2,190,000	4,797,000	3,226,000	1,267,000	1,959,000
More than one race	1,238,000	888,000	665,000	110,000	113,000	214,000	63,000	151,000	136,000	53,000	82,000
Without disability	45,426,000	31,835,000	24,256,000	4,726,000	2,852,000	8,906,000	2,979,000	5,928,000	4,685,000	1,751,000	2,934,000
With disability	6,338,000	4,512,000	3,410,000	511,000	591,000	1,072,000	363,000	709,000	754,000	364,000	390,000
S&E occupations	7,894,000	5,804,000	5,219,000	368,000	217,000	1,254,000	1,047,000	206,000	836,000	449,000	387,000
Female	2,300,000	1,445,000	1,221,000	153,000	71,000	551,000	437,000	114,000	304,000	150,000	153,000
Male	5,594,000	4,358,000	3,998,000	214,000	146,000	702,000	610,000	92,000	533,000	299,000	234,000
Hispanic or Latino	692,000	460,000	411,000	29,000	20,000	130,000	101,000	29,000	102,000	41,000	61,000
Not Hispanic or Latino											
American Indian or Alaska Native	10,000	8,000	7,000	S	D	1,000	*	S	1,000	D	*
Asian	1,665,000	1,310,000	1,236,000	53,000	21,000	257,000	244,000	13,000	98,000	49,000	49,000
Black or African American	399,000	273,000	246,000	21,000	7,000	60,000	46,000	14,000	66,000	46,000	20,000
Native Hawaiian or Other Pacific Islander	16,000	12,000	10,000	D	D	2,000	2,000	D	2,000	S	S
White	4,943,000	3,622,000	3,199,000	256,000	167,000	771,000	637,000	134,000	550,000	302,000	248,000
More than one race	169,000	119,000	110,000	8,000	2,000	33,000	18,000	S	17,000	9,000	8,000
Without disability	7,006,000	5,187,000	4,660,000	335,000	192,000	1,115,000	929,000	186,000	703,000	383,000	320,000
With disability	888,000	616,000	559,000	33,000	25,000	138,000	118,000	20,000	133,000	66,000	67,000
Biological, agricultural, and other life scientists	794,000	345,000	269,000	59,000	17,000	323,000	298,000	25,000	126,000	64,000	62,000
Female	367,000	157,000	124,000	28,000	5,000	148,000	136,000	12,000	63,000	32,000	30,000
Male	427,000	188,000	145,000	31,000	13,000	175,000	162,000	14,000	63,000	32,000	31,000
Hispanic or Latino	72,000	31,000	24,000	4,000	D	30,000	29,000	1,000	12,000	4,000	9,000
Not Hispanic or Latino											
American Indian or Alaska Native	2,000	S	D	D	D	D	D	D	D	D	D
Asian	167,000	76,000	63,000	10,000	3,000	77,000	76,000	S	14,000	11,000	3,000
Black or African American	32,000	15,000	11,000	S	D	13,000	13,000	D	3,000	S	2,000
Native Hawaiian or Other Pacific Islander	1,000	D	D	D	D	D	D	D	D	D	D

TABLE 2-5

Employed college graduates, by major occupation, sex, ethnicity, race, disability status, and detailed employment sector: 2021

(Number)

Occupation, sex, ethnicity, race, and disability status	Total	Business or industry				Education			Government		
		Business or industry, total	For-profit business or industry	Nonprofit business or industry	Self-employed, not incorporated	Education, total	4-year educational institution[a]	2-year college or precollege educational institution	Government, total	Federal government	State or local government
White	501,000	217,000	167,000	38,000	12,000	189,000	174,000	16,000	95,000	47,000	48,000
More than one race	19,000	6,000	3,000	S	D	S	6,000	D	1,000	1,000	*
Without disability	708,000	312,000	242,000	56,000	14,000	284,000	262,000	23,000	112,000	60,000	52,000
With disability	86,000	33,000	27,000	3,000	4,000	39,000	36,000	2,000	14,000	4,000	9,000
Computer and mathematical scientists	4,031,000	3,432,000	3,128,000	209,000	95,000	331,000	236,000	95,000	268,000	149,000	119,000
Female	1,053,000	843,000	740,000	80,000	22,000	116,000	74,000	41,000	95,000	52,000	43,000
Male	2,979,000	2,590,000	2,388,000	129,000	73,000	215,000	162,000	54,000	173,000	98,000	76,000
Hispanic or Latino	328,000	260,000	236,000	16,000	8,000	39,000	20,000	19,000	29,000	14,000	15,000
Not Hispanic or Latino											
American Indian or Alaska Native	5,000	5,000	5,000	D	D	D	D	D	D	D	D
Asian	1,064,000	949,000	903,000	32,000	14,000	72,000	65,000	7,000	43,000	20,000	23,000
Black or African American	242,000	191,000	172,000	14,000	S	18,000	10,000	8,000	33,000	25,000	9,000
Native Hawaiian or Other Pacific Islander	6,000	6,000	6,000	D	D	D	D	D	D	D	D
White	2,296,000	1,944,000	1,732,000	144,000	68,000	196,000	138,000	58,000	156,000	88,000	68,000
More than one race	89,000	78,000	75,000	3,000	D	6,000	3,000	S	5,000	2,000	3,000
Without disability	3,558,000	3,050,000	2,776,000	188,000	86,000	294,000	207,000	87,000	215,000	117,000	98,000
With disability	473,000	383,000	352,000	22,000	8,000	37,000	28,000	9,000	53,000	32,000	22,000
Physical and related scientists	408,000	169,000	150,000	9,000	10,000	140,000	130,000	10,000	99,000	50,000	49,000
Female	135,000	55,000	51,000	3,000	1,000	45,000	38,000	S	36,000	13,000	22,000
Male	273,000	114,000	99,000	6,000	9,000	95,000	92,000	4,000	63,000	36,000	27,000
Hispanic or Latino	32,000	9,000	9,000	*	D	17,000	15,000	S	7,000	3,000	4,000
Not Hispanic or Latino											
American Indian or Alaska Native	1,000	*	*	D	D	D	D	D	D	D	D
Asian	61,000	16,000	15,000	1,000	D	39,000	39,000	1,000	6,000	3,000	3,000
Black or African American	16,000	5,000	5,000	D	D	5,000	4,000	D	6,000	S	1,000
Native Hawaiian or Other Pacific Islander	S	*	*	D	D	D	D	D	D	D	D
White	288,000	134,000	117,000	7,000	10,000	77,000	70,000	7,000	77,000	37,000	39,000
More than one race	9,000	4,000	4,000	D	D	2,000	2,000	D	3,000	1,000	2,000
Without disability	358,000	152,000	133,000	9,000	10,000	125,000	118,000	8,000	81,000	45,000	37,000
With disability	50,000	17,000	17,000	D	D	15,000	13,000	2,000	17,000	5,000	12,000
Social and related scientists	712,000	257,000	142,000	61,000	55,000	341,000	270,000	71,000	114,000	54,000	60,000
Female	433,000	150,000	78,000	37,000	35,000	217,000	163,000	53,000	66,000	28,000	38,000
Male	279,000	107,000	64,000	24,000	19,000	124,000	106,000	18,000	48,000	26,000	22,000
Hispanic or Latino	81,000	21,000	9,000	6,000	6,000	34,000	27,000	8,000	25,000	4,000	21,000
Not Hispanic or Latino											

TABLE 2-5

Employed college graduates, by major occupation, sex, ethnicity, race, disability status, and detailed employment sector: 2021

(Number)

Occupation, sex, ethnicity, race, and disability status	Total	Business or industry				Education			Government		
		Business or industry, total	For-profit business or industry	Nonprofit business or industry	Self-employed, not incorporated	Education, total	4-year educational institution[a]	2-year college or precollege educational institution	Government, total	Federal government	State or local government
American Indian or Alaska Native	1,000	*	D	D	D	D	D	D	D	D	D
Asian	57,000	18,000	13,000	4,000	2,000	34,000	31,000	3,000	4,000	2,000	2,000
Black or African American	44,000	14,000	11,000	2,000	1,000	21,000	16,000	5,000	9,000	6,000	4,000
Native Hawaiian or Other Pacific Islander	S	D	D	D	D	S	S	D	D	D	D
White	513,000	200,000	108,000	48,000	45,000	239,000	189,000	51,000	73,000	42,000	32,000
More than one race	16,000	3,000	2,000	1,000	D	11,000	6,000	S	2,000	1,000	S
Without disability	623,000	229,000	126,000	54,000	48,000	300,000	236,000	64,000	94,000	45,000	49,000
With disability	89,000	28,000	16,000	6,000	6,000	41,000	34,000	7,000	20,000	9,000	12,000
Engineers	1,949,000	1,600,000	1,529,000	30,000	41,000	119,000	114,000	5,000	229,000	133,000	97,000
Female	312,000	242,000	228,000	6,000	8,000	27,000	25,000	1,000	44,000	25,000	19,000
Male	1,636,000	1,359,000	1,301,000	25,000	33,000	92,000	88,000	4,000	185,000	107,000	78,000
Hispanic or Latino	178,000	138,000	133,000	2,000	4,000	11,000	10,000	D	29,000	17,000	12,000
Not Hispanic or Latino											
American Indian or Alaska Native	2,000	2,000	2,000	D	D	D	D	D	D	D	D
Asian	316,000	251,000	242,000	7,000	2,000	34,000	33,000	1,000	31,000	13,000	18,000
Black or African American	65,000	49,000	47,000	S	S	3,000	3,000	D	13,000	9,000	4,000
Native Hawaiian or Other Pacific Islander	7,000	5,000	4,000	D	D	D	D	D	D	D	D
White	1,345,000	1,127,000	1,075,000	19,000	33,000	69,000	65,000	3,000	149,000	89,000	60,000
More than one race	36,000	28,000	26,000	D	D	2,000	2,000	D	6,000	4,000	1,000
Without disability	1,758,000	1,446,000	1,383,000	29,000	34,000	112,000	107,000	5,000	201,000	116,000	85,000
With disability	191,000	155,000	147,000	2,000	7,000	7,000	7,000	D	29,000	17,000	12,000
S&E-related occupations	9,522,000	6,903,000	4,558,000	1,948,000	396,000	1,883,000	724,000	1,159,000	736,000	327,000	409,000
Female	5,494,000	3,896,000	2,293,000	1,366,000	238,000	1,216,000	466,000	750,000	381,000	158,000	223,000
Male	4,028,000	3,007,000	2,266,000	582,000	158,000	667,000	258,000	408,000	355,000	169,000	185,000
Hispanic or Latino	843,000	623,000	405,000	179,000	39,000	129,000	45,000	85,000	91,000	35,000	56,000
Not Hispanic or Latino											
American Indian or Alaska Native	22,000	11,000	9,000	S	D	S	D	S	4,000	S	3,000
Asian	1,264,000	984,000	668,000	251,000	64,000	172,000	123,000	49,000	108,000	42,000	66,000
Black or African American	756,000	530,000	313,000	200,000	17,000	128,000	36,000	92,000	98,000	51,000	47,000
Native Hawaiian or Other Pacific Islander	36,000	28,000	S	S	D	4,000	S	1,000	S	S	D
White	6,412,000	4,578,000	3,055,000	1,257,000	266,000	1,412,000	503,000	910,000	422,000	193,000	229,000
More than one race	189,000	150,000	95,000	46,000	10,000	29,000	13,000	15,000	10,000	5,000	5,000
Without disability	8,534,000	6,174,000	4,035,000	1,813,000	326,000	1,714,000	671,000	1,043,000	646,000	286,000	360,000
With disability	987,000	729,000	523,000	135,000	71,000	169,000	53,000	116,000	90,000	41,000	49,000
Non-S&E occupations	34,349,000	23,640,000	17,889,000	2,921,000	2,829,000	6,842,000	1,570,000	5,272,000	3,867,000	1,338,000	2,529,000

TABLE 2-5

Employed college graduates, by major occupation, sex, ethnicity, race, disability status, and detailed employment sector: 2021

(Number)

Occupation, sex, ethnicity, race, and disability status	Total	Business or industry				Education			Government		
		Business or industry, total	For-profit business or industry	Nonprofit business or industry	Self-employed, not incorporated	Education, total	4-year educational institution[a]	2-year college or precollege educational institution	Government, total	Federal government	State or local government
Female	18,699,000	11,615,000	8,244,000	1,929,000	1,442,000	5,095,000	996,000	4,100,000	1,989,000	576,000	1,413,000
Male	15,649,000	12,025,000	9,645,000	993,000	1,387,000	1,747,000	575,000	1,172,000	1,878,000	761,000	1,116,000
Hispanic or Latino	3,772,000	2,310,000	1,852,000	244,000	214,000	917,000	197,000	720,000	545,000	207,000	339,000
Not Hispanic or Latino											
American Indian or Alaska Native	94,000	56,000	42,000	S	4,000	14,000	2,000	12,000	24,000	1,000	23,000
Asian	2,546,000	1,984,000	1,686,000	121,000	177,000	299,000	126,000	172,000	263,000	76,000	188,000
Black or African American	2,955,000	1,664,000	1,197,000	343,000	124,000	650,000	159,000	491,000	641,000	237,000	404,000
Native Hawaiian or Other Pacific Islander	83,000	46,000	35,000	S	S	7,000	S	3,000	31,000	S	24,000
White	24,018,000	16,960,000	12,616,000	2,140,000	2,205,000	4,803,000	1,050,000	3,753,000	2,255,000	772,000	1,483,000
More than one race	880,000	619,000	460,000	57,000	102,000	153,000	32,000	121,000	108,000	39,000	69,000
Without disability	29,886,000	20,473,000	15,561,000	2,578,000	2,334,000	6,077,000	1,378,000	4,699,000	3,336,000	1,081,000	2,255,000
With disability	4,462,000	3,167,000	2,328,000	343,000	495,000	765,000	192,000	573,000	531,000	256,000	274,000

* = 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] Includes medical schools and university-affiliated research institutes.

Note(s):
Numbers are rounded to the nearest 1,000. Detail may not add to total because of rounding. Hispanic or Latino may be any race; race categories exclude Hispanic origin. The National Survey of College Graduates asks the degree of difficulty—none, slight, moderate, severe, or unable to do—an individual has in seeing (with glasses), hearing (with hearing aid), walking without assistance, lifting 10 pounds, or concentrating, remembering, or making decisions. Those respondents who answered "moderate," "severe," or "unable to do" for an activity were classified as having a disability.

Source(s):
National Center for Science and Engineering Statistics, National Survey of College Graduates, 2021.

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: 2021

(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	Uncodable or missing
All degree levels	51,764,000	19,988,000	270,000	322,000	144,000	33,000	99,000	76,000	273,000	587,000	5,736,000	11,713,000	737,000
S&E occupations	7,894,000	1,649,000	159,000	208,000	83,000	2,000	32,000	36,000	129,000	373,000	114,000	422,000	92,000
Biological, agricultural, and other life scientists	794,000	120,000	S	D	D	D	25,000	4,000	D	*	47,000	37,000	5,000
Computer and mathematical scientists	4,031,000	702,000	153,000	198,000	78,000	1,000	D	1,000	D	6,000	26,000	178,000	60,000
Physical and related scientists	408,000	67,000	D	D	D	D	4,000	26,000	D	4,000	12,000	18,000	3,000
Social and related scientists	712,000	256,000	D	D	D	D	D	S	128,000	D	11,000	106,000	9,000
Engineers	1,949,000	505,000	6,000	9,000	4,000	D	S	4,000	S	362,000	18,000	84,000	15,000
S&E-related occupations	9,522,000	6,611,000	26,000	47,000	20,000	21,000	25,000	18,000	39,000	98,000	4,939,000	1,195,000	183,000
Non-S&E occupations	34,349,000	11,728,000	85,000	66,000	41,000	10,000	42,000	22,000	105,000	116,000	683,000	10,096,000	461,000
Bachelor's	31,688,000	10,154,000	189,000	213,000	100,000	29,000	65,000	46,000	34,000	375,000	2,845,000	5,814,000	445,000
S&E occupations	4,438,000	897,000	106,000	147,000	63,000	D	17,000	17,000	7,000	240,000	60,000	191,000	49,000
Biological, agricultural, and other life scientists	295,000	60,000	D	D	D	D	13,000	S	D	*	21,000	22,000	S
Computer and mathematical scientists	2,574,000	446,000	102,000	143,000	59,000	D	D	D	D	2,000	13,000	90,000	35,000
Physical and related scientists	177,000	36,000	D	D	D	D	2,000	13,000	D	1,000	10,000	10,000	1,000
Social and related scientists	170,000	32,000	D	D	D	D	D	D	7,000	D	D	22,000	D
Engineers	1,222,000	322,000	4,000	4,000	3,000	D	S	3,000	D	236,000	14,000	47,000	10,000
S&E-related occupations	5,031,000	3,225,000	15,000	28,000	14,000	19,000	19,000	10,000	10,000	68,000	2,391,000	554,000	97,000
Non-S&E occupations	22,219,000	6,032,000	67,000	38,000	23,000	10,000	28,000	19,000	17,000	67,000	394,000	5,069,000	299,000
Master's	14,688,000	6,603,000	77,000	104,000	40,000	4,000	28,000	23,000	137,000	191,000	1,313,000	4,480,000	206,000
S&E occupations	2,411,000	562,000	51,000	60,000	19,000	S	10,000	13,000	39,000	119,000	29,000	184,000	36,000
Biological, agricultural, and other life scientists	188,000	29,000	D	D	D	D	7,000	1,000	D	D	10,000	9,000	S
Computer and mathematical scientists	1,251,000	235,000	49,000	54,000	18,000	1,000	D	D	D	4,000	8,000	78,000	24,000
Physical and related scientists	105,000	23,000	D	D	D	D	S	10,000	D	S	1,000	6,000	D
Social and related scientists	283,000	110,000	D	D	D	D	D	S	38,000	D	7,000	58,000	6,000
Engineers	584,000	165,000	2,000	5,000	*	D	D	1,000	S	113,000	3,000	33,000	5,000
S&E-related occupations	2,578,000	1,804,000	10,000	18,000	5,000	2,000	5,000	7,000	18,000	28,000	1,054,000	609,000	47,000
Non-S&E occupations	9,699,000	4,237,000	15,000	26,000	S	*	13,000	3,000	79,000	43,000	230,000	3,687,000	123,000
Doctorate	2,141,000	591,000	4,000	2,000	3,000	D	6,000	7,000	78,000	18,000	205,000	246,000	23,000
S&E occupations	962,000	141,000	2,000	1,000	S	D	4,000	5,000	63,000	13,000	12,000	32,000	6,000
S&E-related occupations	374,000	218,000	D	D	D	D	S	1,000	S	1,000	173,000	22,000	S
Non-S&E occupations	805,000	232,000	D	D	D	D	*	*	6,000	5,000	21,000	191,000	6,000
Professional	3,246,000	2,640,000	D	D	D	D	D	D	25,000	D	1,373,000	1,173,000	64,000
S&E occupations	82,000	49,000	D	D	D	D	D	D	20,000	D	13,000	15,000	D
S&E-related occupations	1,538,000	1,363,000	D	D	D	D	D	D	S	D	1,322,000	10,000	29,000
Non-S&E occupations	1,626,000	1,227,000	D	D	D	D	D	D	4,000	D	38,000	1,148,000	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, 2021.

TABLE 3-1

Employed college graduates, by level of highest degree, minor occupation, and primary work activity: 2021

(Number)

Level of highest degree and occupation	Total	Primary work activity					
		Computer applications	Design	Management and administration[a]	Research and development[b]	Teaching	Other[c]
All degree levels	51,764,000	2,911,000	1,468,000	22,217,000	3,893,000	6,634,000	14,640,000
S&E occupations	7,894,000	2,224,000	769,000	1,629,000	1,834,000	428,000	1,009,000
Biological, agricultural, and other life scientists	794,000	10,000	7,000	125,000	490,000	67,000	94,000
Agricultural and food scientists	74,000	D	D	13,000	48,000	D	12,000
Biological and medical scientists	572,000	10,000	6,000	86,000	390,000	8,000	72,000
Environmental life scientists	45,000	D	*	19,000	17,000	D	8,000
Postsecondary teachers - life and related sciences	103,000	D	D	6,000	36,000	59,000	S
Computer and mathematical scientists	4,031,000	2,077,000	244,000	722,000	507,000	125,000	357,000
Computer and information scientists	3,627,000	2,024,000	212,000	651,000	385,000	33,000	323,000
Mathematical scientists	293,000	51,000	32,000	65,000	104,000	S	34,000
Postsecondary teachers - computer and math sciences	111,000	2,000	D	5,000	17,000	86,000	D
Physical and related scientists	408,000	9,000	6,000	65,000	199,000	59,000	70,000
Chemists, except biochemists	114,000	S	1,000	18,000	60,000	1,000	32,000
Earth, atmospheric, and ocean scientists	91,000	3,000	S	19,000	49,000	D	18,000
Physicists	41,000	2,000	1,000	S	33,000	D	3,000
Other physical and related scientists, including astronomers	82,000	S	2,000	22,000	39,000	D	17,000
Postsecondary teachers - physical and related sciences	80,000	D	D	4,000	18,000	57,000	S
Social and related scientists	712,000	13,000	9,000	110,000	197,000	138,000	245,000
Economists	47,000	S	1,000	8,000	23,000	D	8,000
Political scientists	39,000	D	D	15,000	11,000	D	12,000
Psychologists	233,000	D	D	21,000	24,000	2,000	183,000
Anthropologists	13,000	D	D	4,000	8,000	D	1,000
Other social and related scientists	191,000	4,000	6,000	55,000	88,000	S	37,000
Postsecondary teachers - social and related sciences	188,000	D	D	7,000	43,000	134,000	4,000
Engineers	1,949,000	115,000	503,000	608,000	442,000	38,000	242,000
Aerospace, aeronautical, and astronautical engineers	127,000	8,000	32,000	32,000	45,000	D	10,000
Chemical engineers	80,000	5,000	19,000	20,000	20,000	*	15,000
Civil, architectural, and sanitary engineers	303,000	3,000	94,000	116,000	39,000	D	48,000
Electrical and computer hardware engineers	399,000	62,000	109,000	80,000	108,000	S	39,000
Industrial engineers	96,000	6,000	18,000	45,000	6,000	D	20,000
Mechanical engineers	388,000	7,000	155,000	94,000	87,000	1,000	44,000
Other engineers	501,000	23,000	74,000	212,000	123,000	1,000	67,000
Postsecondary teachers - engineering	55,000	D	D	8,000	12,000	33,000	*
S&E-related occupations	9,522,000	330,000	248,000	1,665,000	568,000	1,138,000	5,573,000
Health-related occupations	6,136,000	32,000	10,000	560,000	248,000	245,000	5,039,000
S&E managers	1,135,000	62,000	37,000	789,000	45,000	2,000	200,000

TABLE 3-1

Employed college graduates, by level of highest degree, minor occupation, and primary work activity: 2021

(Number)

Level of highest degree and occupation	Total	Primary work activity					
		Computer applications	Design	Management and administration[a]	Research and development[b]	Teaching	Other[c]
S&E precollege teachers	915,000	D	D	18,000	S	887,000	3,000
S&E technicians and technologists	1,088,000	224,000	116,000	237,000	237,000	3,000	271,000
Other S&E-related occupations	248,000	12,000	85,000	61,000	30,000	D	59,000
Non-S&E occupations	34,349,000	357,000	451,000	18,923,000	1,491,000	5,068,000	8,058,000
Non-S&E managers	4,985,000	62,000	73,000	4,122,000	189,000	32,000	506,000
Management-related occupations	7,868,000	128,000	130,000	6,042,000	385,000	94,000	1,088,000
Non-S&E precollege teachers	3,919,000	D	D	129,000	45,000	3,686,000	59,000
Non-S&E postsecondary teachers	559,000	D	D	37,000	38,000	453,000	30,000
Social services and related occupations	2,072,000	S	S	406,000	66,000	206,000	1,388,000
Sales and marketing occupations	4,448,000	16,000	64,000	3,742,000	122,000	S	483,000
Art, humanities, and related occupations	1,408,000	41,000	105,000	381,000	200,000	47,000	634,000
Other non-S&E occupations	9,089,000	104,000	76,000	4,064,000	447,000	529,000	3,870,000
Bachelor's	31,688,000	1,943,000	958,000	15,513,000	2,024,000	2,967,000	8,284,000
S&E occupations	4,438,000	1,458,000	507,000	1,028,000	793,000	77,000	575,000
Biological, agricultural, and other life scientists	295,000	5,000	3,000	69,000	158,000	13,000	46,000
Agricultural and food scientists	34,000	D	D	10,000	16,000	D	8,000
Biological and medical scientists	216,000	4,000	3,000	43,000	127,000	4,000	35,000
Environmental life scientists	26,000	D	*	17,000	6,000	D	3,000
Postsecondary teachers - life and related sciences	18,000	D	D	D	9,000	9,000	D
Computer and mathematical scientists	2,574,000	1,380,000	157,000	467,000	268,000	35,000	266,000
Computer and information scientists	2,438,000	1,361,000	139,000	434,000	234,000	24,000	247,000
Mathematical scientists	124,000	19,000	18,000	34,000	33,000	D	19,000
Postsecondary teachers - computer and math sciences	11,000	D	D	D	1,000	10,000	D
Physical and related scientists	177,000	5,000	2,000	36,000	77,000	9,000	49,000
Chemists, except biochemists	65,000	*	*	12,000	26,000	D	26,000
Earth, atmospheric, and ocean scientists	40,000	2,000	*	9,000	18,000	D	11,000
Physicists	11,000	D	D	*	9,000	D	D
Other physical and related scientists, including astronomers	47,000	S	D	13,000	20,000	D	11,000
Postsecondary teachers - physical and related sciences	14,000	D	D	D	4,000	8,000	D
Social and related scientists	170,000	S	S	47,000	57,000	11,000	49,000
Economists	9,000	D	D	S	3,000	D	S
Political scientists	10,000	D	D	S	S	D	S
Psychologists	38,000	D	D	S	8,000	D	15,000
Anthropologists	3,000	D	D	S	2,000	D	*

TABLE 3-1

Employed college graduates, by level of highest degree, minor occupation, and primary work activity: 2021

(Number)

Level of highest degree and occupation	Total	Primary work activity					
		Computer applications	Design	Management and administration[a]	Research and development[b]	Teaching	Other[c]
Other social and related scientists	91,000	S	D	26,000	35,000	D	26,000
Postsecondary teachers - social and related sciences	18,000	D	D	D	S	11,000	D
Engineers	1,222,000	66,000	341,000	409,000	233,000	9,000	165,000
Aerospace, aeronautical, and astronautical engineers	66,000	5,000	20,000	16,000	19,000	D	7,000
Chemical engineers	53,000	3,000	15,000	13,000	10,000	D	12,000
Civil, architectural, and sanitary engineers	194,000	2,000	58,000	80,000	24,000	D	29,000
Electrical and computer hardware engineers	242,000	36,000	70,000	50,000	57,000	D	28,000
Industrial engineers	62,000	2,000	13,000	30,000	3,000	D	15,000
Mechanical engineers	274,000	4,000	114,000	71,000	51,000	1,000	33,000
Other engineers	323,000	14,000	50,000	149,000	68,000	D	42,000
Postsecondary teachers - engineering	7,000	D	D	D	D	4,000	D
S&E-related occupations	5,031,000	219,000	167,000	978,000	316,000	463,000	2,888,000
Health-related occupations	3,160,000	28,000	6,000	354,000	130,000	97,000	2,544,000
S&E managers	553,000	34,000	23,000	400,000	13,000	D	83,000
S&E precollege teachers	377,000	D	D	9,000	S	363,000	D
S&E technicians and technologists	784,000	147,000	89,000	170,000	151,000	S	225,000
Other S&E-related occupations	157,000	10,000	49,000	45,000	17,000	D	35,000
Non-S&E occupations	22,219,000	265,000	284,000	13,507,000	914,000	2,427,000	4,821,000
Non-S&E managers	2,978,000	38,000	45,000	2,482,000	94,000	7,000	312,000
Management-related occupations	5,231,000	85,000	72,000	4,047,000	236,000	75,000	715,000
Non-S&E precollege teachers	1,934,000	D	D	68,000	S	1,822,000	27,000
Non-S&E postsecondary teachers	79,000	D	D	9,000	*	66,000	S
Social services and related occupations	897,000	D	D	230,000	39,000	76,000	550,000
Sales and marketing occupations	3,652,000	11,000	52,000	3,069,000	96,000	S	414,000
Art, humanities, and related occupations	1,008,000	38,000	58,000	295,000	127,000	26,000	464,000
Other non-S&E occupations	6,438,000	89,000	56,000	3,306,000	304,000	346,000	2,336,000
Master's	14,688,000	882,000	465,000	5,847,000	1,100,000	3,042,000	3,353,000
S&E occupations	2,411,000	700,000	236,000	494,000	544,000	146,000	291,000
Biological, agricultural, and other life scientists	188,000	3,000	2,000	26,000	115,000	16,000	27,000
Agricultural and food scientists	23,000	D	D	1,000	18,000	D	4,000
Biological and medical scientists	133,000	3,000	2,000	22,000	86,000	2,000	18,000
Environmental life scientists	16,000	D	D	3,000	S	D	3,000
Postsecondary teachers - life and related sciences	16,000	D	D	D	1,000	13,000	D
Computer and mathematical scientists	1,251,000	645,000	77,000	229,000	169,000	54,000	78,000

TABLE 3-1

Employed college graduates, by level of highest degree, minor occupation, and primary work activity: 2021

(Number)

Level of highest degree and occupation	Total	Primary work activity					
		Computer applications	Design	Management and administration[a]	Research and development[b]	Teaching	Other[c]
Computer and information scientists	1,072,000	615,000	65,000	199,000	118,000	9,000	66,000
Mathematical scientists	133,000	28,000	11,000	28,000	49,000	S	12,000
Postsecondary teachers - computer and math sciences	46,000	D	D	1,000	S	40,000	D
Physical and related scientists	105,000	1,000	2,000	18,000	51,000	16,000	16,000
Chemists, except biochemists	19,000	D	*	3,000	10,000	D	5,000
Earth, atmospheric, and ocean scientists	32,000	1,000	S	7,000	18,000	D	5,000
Physicists	10,000	D	D	D	8,000	D	S
Other physical and related scientists, including astronomers	25,000	D	D	7,000	12,000	D	5,000
Postsecondary teachers - physical and related sciences	19,000	D	D	D	3,000	16,000	D
Social and related scientists	283,000	S	4,000	46,000	71,000	48,000	103,000
Economists	23,000	S	*	S	8,000	D	3,000
Political scientists	21,000	D	D	4,000	7,000	D	8,000
Psychologists	96,000	D	D	4,000	10,000	1,000	81,000
Anthropologists	7,000	D	D	3,000	4,000	D	1,000
Other social and related scientists	81,000	S	4,000	28,000	37,000	S	9,000
Postsecondary teachers - social and related sciences	55,000	D	D	S	6,000	44,000	D
Engineers	584,000	42,000	150,000	174,000	138,000	12,000	68,000
Aerospace, aeronautical, and astronautical engineers	53,000	2,000	11,000	14,000	21,000	D	4,000
Chemical engineers	18,000	S	3,000	7,000	4,000	D	3,000
Civil, architectural, and sanitary engineers	98,000	1,000	34,000	33,000	13,000	D	17,000
Electrical and computer hardware engineers	124,000	22,000	35,000	26,000	32,000	D	9,000
Industrial engineers	33,000	4,000	6,000	15,000	3,000	D	5,000
Mechanical engineers	99,000	2,000	39,000	22,000	27,000	D	10,000
Other engineers	146,000	9,000	22,000	56,000	37,000	*	21,000
Postsecondary teachers - engineering	13,000	D	D	D	S	11,000	D
S&E-related occupations	2,578,000	100,000	76,000	561,000	142,000	573,000	1,126,000
Health-related occupations	1,313,000	3,000	3,000	151,000	55,000	80,000	1,021,000
S&E managers	417,000	25,000	13,000	327,000	12,000	S	39,000
S&E precollege teachers	504,000	D	D	9,000	3,000	490,000	S
S&E technicians and technologists	257,000	70,000	25,000	59,000	60,000	1,000	42,000
Other S&E-related occupations	88,000	2,000	35,000	15,000	12,000	D	23,000
Non-S&E occupations	9,699,000	81,000	154,000	4,791,000	414,000	2,323,000	1,935,000
Non-S&E managers	1,668,000	19,000	23,000	1,413,000	58,000	20,000	135,000
Management-related occupations	2,370,000	38,000	53,000	1,840,000	120,000	15,000	304,000
Non-S&E precollege teachers	1,923,000	D	D	59,000	21,000	1,811,000	32,000
Non-S&E postsecondary teachers	231,000	D	D	14,000	6,000	187,000	23,000

TABLE 3-1

Employed college graduates, by level of highest degree, minor occupation, and primary work activity: 2021

(Number)

Level of highest degree and occupation	Total	Primary work activity					
		Computer applications	Design	Management and administration[a]	Research and development[b]	Teaching	Other[c]
Social services and related occupations	1,094,000	D	S	152,000	23,000	108,000	807,000
Sales and marketing occupations	714,000	S	12,000	605,000	21,000	D	61,000
Art, humanities, and related occupations	348,000	D	46,000	76,000	62,000	S	140,000
Other non-S&E occupations	1,351,000	13,000	18,000	632,000	103,000	151,000	434,000
Doctorate	2,141,000	80,000	40,000	408,000	681,000	515,000	416,000
S&E occupations	962,000	59,000	25,000	94,000	483,000	198,000	104,000
Biological, agricultural, and other life scientists	291,000	2,000	2,000	28,000	210,000	35,000	14,000
Agricultural and food scientists	17,000	D	D	2,000	14,000	D	S
Biological and medical scientists	206,000	2,000	1,000	20,000	170,000	1,000	12,000
Environmental life scientists	S	D	D	D	S	D	D
Postsecondary teachers - life and related sciences	65,000	D	D	6,000	25,000	34,000	D
Computer and mathematical scientists	185,000	46,000	8,000	21,000	67,000	36,000	7,000
Computer and information scientists	96,000	41,000	6,000	15,000	31,000	D	3,000
Mathematical scientists	35,000	4,000	3,000	2,000	22,000	D	3,000
Postsecondary teachers - computer and math sciences	53,000	D	D	4,000	14,000	35,000	D
Physical and related scientists	125,000	3,000	S	11,000	70,000	34,000	5,000
Chemists, except biochemists	30,000	D	D	3,000	24,000	D	2,000
Earth, atmospheric, and ocean scientists	17,000	S	D	S	13,000	D	S
Physicists	20,000	S	S	S	16,000	D	1,000
Other physical and related scientists, including astronomers	10,000	D	D	D	6,000	D	D
Postsecondary teachers - physical and related sciences	47,000	D	D	2,000	11,000	33,000	D
Social and related scientists	221,000	S	1,000	10,000	65,000	75,000	69,000
Economists	15,000	D	D	2,000	12,000	D	1,000
Political scientists	2,000	D	D	D	1,000	D	D
Psychologists	75,000	D	D	4,000	5,000	D	64,000
Anthropologists	3,000	D	D	D	2,000	D	D
Other social and related scientists	17,000	D	D	1,000	14,000	D	1,000
Postsecondary teachers - social and related sciences	110,000	D	D	3,000	31,000	74,000	2,000
Engineers	141,000	7,000	12,000	24,000	70,000	18,000	10,000
Aerospace, aeronautical, and astronautical engineers	9,000	S	S	S	5,000	D	D
Chemical engineers	8,000	D	1,000	1,000	6,000	D	D
Civil, architectural, and sanitary engineers	10,000	D	2,000	3,000	3,000	D	3,000
Electrical and computer hardware engineers	32,000	3,000	5,000	4,000	19,000	D	2,000

TABLE 3-1

Employed college graduates, by level of highest degree, minor occupation, and primary work activity: 2021

(Number)

Level of highest degree and occupation	Total	Primary work activity					
		Computer applications	Design	Management and administration[a]	Research and development[b]	Teaching	Other[c]
Industrial engineers	1,000	D	D	D	D	D	D
Mechanical engineers	14,000	D	2,000	2,000	10,000	D	*
Other engineers	32,000	1,000	2,000	6,000	18,000	D	4,000
Postsecondary teachers - engineering	34,000	D	D	6,000	11,000	17,000	*
S&E-related occupations	374,000	11,000	6,000	60,000	74,000	53,000	169,000
Health-related occupations	237,000	D	D	15,000	32,000	29,000	159,000
S&E managers	63,000	3,000	2,000	39,000	16,000	D	5,000
S&E precollege teachers	25,000	D	D	D	D	24,000	S
S&E technicians and technologists	46,000	7,000	3,000	7,000	25,000	D	4,000
Other S&E-related occupations	2,000	D	D	D	S	D	D
Non-S&E occupations	805,000	10,000	10,000	254,000	124,000	264,000	143,000
Non-S&E managers	212,000	4,000	3,000	140,000	36,000	S	23,000
Management-related occupations	116,000	S	3,000	50,000	25,000	4,000	31,000
Non-S&E precollege teachers	27,000	D	D	S	D	24,000	D
Non-S&E postsecondary teachers	230,000	D	D	12,000	30,000	183,000	4,000
Social services and related occupations	62,000	D	D	16,000	D	18,000	23,000
Sales and marketing occupations	23,000	D	D	16,000	4,000	D	2,000
Art, humanities, and related occupations	38,000	D	D	S	8,000	D	22,000
Other non-S&E occupations	97,000	S	D	11,000	17,000	30,000	38,000
Professional	3,246,000	7,000	5,000	450,000	88,000	110,000	2,587,000
S&E occupations	82,000	6,000	S	13,000	15,000	8,000	39,000
S&E-related occupations	1,538,000	D	D	65,000	35,000	48,000	1,389,000
Non-S&E occupations	1,626,000	D	3,000	371,000	39,000	54,000	1,159,000

* = 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] Management and administration includes respondents who reported the following work activities: accounting, finance, or contracts; human resources; quality or productivity management; sales and marketing; or managing and supervising.

[b] Research and development includes basic research, applied research, or development.

[c] Other work activities includes production, operations, maintenance, professional services, and other activities not broken out separately. "Design" is no longer included in the definition of "Other" and is now its own category.

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, 2021.

TABLE 3-2

Employed college graduates, by employment sector, minor occupation, and job satisfaction: 2021

(Number)

Sector and occupation	Total	Job satisfaction			
		Very satisfied	Somewhat satisfied	Somewhat dissatisfied	Very dissatisfied
All sectors	51,764,000	22,804,000	23,329,000	4,394,000	1,236,000
S&E occupations	7,894,000	3,493,000	3,651,000	617,000	133,000
Biological, agricultural, and other life scientists	794,000	346,000	371,000	65,000	12,000
Agricultural and food scientists	74,000	30,000	39,000	4,000	*
Biological and medical scientists	572,000	240,000	274,000	50,000	8,000
Environmental life scientists	45,000	27,000	14,000	3,000	2,000
Postsecondary teachers - life and related sciences	103,000	49,000	43,000	8,000	S
Computer and mathematical scientists	4,031,000	1,736,000	1,896,000	332,000	67,000
Computer and information scientists	3,627,000	1,551,000	1,729,000	288,000	60,000
Mathematical scientists	293,000	133,000	118,000	36,000	6,000
Postsecondary teachers - computer and math sciences	111,000	52,000	49,000	8,000	S
Physical and related scientists	408,000	166,000	202,000	33,000	8,000
Chemists, except biochemists	114,000	39,000	58,000	13,000	4,000
Earth, atmospheric, and ocean scientists	91,000	42,000	42,000	5,000	1,000
Physicists	41,000	22,000	17,000	2,000	D
Other physical and related scientists, including astronomers	82,000	29,000	47,000	6,000	D
Postsecondary teachers - physical and related sciences	80,000	34,000	38,000	6,000	S
Social and related scientists	712,000	335,000	313,000	50,000	14,000
Economists	47,000	31,000	15,000	2,000	*
Political scientists	39,000	19,000	18,000	S	D
Psychologists	233,000	122,000	97,000	9,000	S
Anthropologists	13,000	6,000	7,000	D	D
Other social and related scientists	191,000	77,000	94,000	17,000	2,000
Postsecondary teachers - social and related sciences	188,000	80,000	82,000	20,000	5,000
Engineers	1,949,000	911,000	869,000	137,000	32,000
Aerospace, aeronautical, and astronautical engineers	127,000	56,000	60,000	11,000	*
Chemical engineers	80,000	38,000	33,000	7,000	2,000
Civil, architectural, and sanitary engineers	303,000	160,000	117,000	23,000	3,000
Electrical and computer hardware engineers	399,000	196,000	177,000	21,000	6,000
Industrial engineers	96,000	42,000	44,000	7,000	S
Mechanical engineers	388,000	160,000	190,000	31,000	6,000
Other engineers	501,000	236,000	220,000	33,000	11,000
Postsecondary teachers - engineering	55,000	22,000	28,000	4,000	D
S&E-related occupations	9,522,000	4,272,000	4,346,000	706,000	198,000
Health-related occupations	6,136,000	2,741,000	2,787,000	461,000	146,000
S&E managers	1,135,000	558,000	484,000	74,000	18,000
S&E precollege teachers	915,000	410,000	429,000	66,000	11,000
S&E technicians and technologists	1,088,000	438,000	544,000	84,000	21,000
Other S&E-related occupations	248,000	124,000	101,000	20,000	S
Non-S&E occupations	34,349,000	15,038,000	15,333,000	3,072,000	905,000
Non-S&E managers	4,985,000	2,684,000	1,907,000	312,000	81,000
Management-related occupations	7,868,000	3,411,000	3,579,000	703,000	175,000
Non-S&E precollege teachers	3,919,000	1,572,000	1,989,000	285,000	73,000
Non-S&E postsecondary teachers	559,000	241,000	272,000	39,000	8,000
Social services and related occupations	2,072,000	883,000	954,000	182,000	53,000

TABLE 3-2

Employed college graduates, by employment sector, minor occupation, and job satisfaction: 2021

(Number)

Sector and occupation	Total	Job satisfaction			
		Very satisfied	Somewhat satisfied	Somewhat dissatisfied	Very dissatisfied
Sales and marketing occupations	4,448,000	1,893,000	1,948,000	468,000	139,000
Art, humanities, and related occupations	1,408,000	603,000	651,000	127,000	27,000
Other non-S&E occupations	9,089,000	3,753,000	4,033,000	956,000	348,000
Business or industry	36,346,000	15,990,000	16,185,000	3,223,000	949,000
S&E occupations	5,804,000	2,535,000	2,711,000	459,000	98,000
Biological, agricultural, and other life scientists	345,000	150,000	161,000	28,000	6,000
Agricultural and food scientists	50,000	21,000	26,000	2,000	D
Biological and medical scientists	283,000	121,000	132,000	25,000	5,000
Environmental life scientists	12,000	8,000	3,000	D	D
Postsecondary teachers - life and related sciences	D	D	D	D	D
Computer and mathematical scientists	3,432,000	1,447,000	1,635,000	289,000	61,000
Computer and information scientists	3,210,000	1,356,000	1,540,000	260,000	55,000
Mathematical scientists	222,000	92,000	95,000	29,000	6,000
Postsecondary teachers - computer and math sciences	D	D	D	D	D
Physical and related scientists	169,000	66,000	87,000	14,000	3,000
Chemists, except biochemists	75,000	27,000	39,000	7,000	1,000
Earth, atmospheric, and ocean scientists	52,000	22,000	25,000	4,000	1,000
Physicists	9,000	5,000	3,000	*	D
Other physical and related scientists, including astronomers	33,000	12,000	19,000	2,000	D
Postsecondary teachers - physical and related sciences	D	D	D	D	D
Social and related scientists	257,000	138,000	104,000	13,000	3,000
Economists	23,000	15,000	7,000	1,000	D
Political scientists	14,000	7,000	7,000	D	D
Psychologists	128,000	83,000	38,000	5,000	D
Anthropologists	7,000	2,000	4,000	D	D
Other social and related scientists	86,000	30,000	47,000	7,000	S
Postsecondary teachers - social and related sciences	D	D	D	D	D
Engineers	1,600,000	734,000	725,000	115,000	26,000
Aerospace, aeronautical, and astronautical engineers	104,000	44,000	49,000	10,000	D
Chemical engineers	73,000	35,000	29,000	7,000	2,000
Civil, architectural, and sanitary engineers	207,000	102,000	85,000	18,000	2,000
Electrical and computer hardware engineers	353,000	174,000	153,000	20,000	6,000
Industrial engineers	90,000	39,000	42,000	7,000	S
Mechanical engineers	349,000	143,000	172,000	28,000	5,000
Other engineers	425,000	196,000	195,000	26,000	8,000
Postsecondary teachers - engineering	D	D	D	D	D
S&E-related occupations	6,903,000	3,082,000	3,143,000	521,000	157,000
Health-related occupations	4,857,000	2,155,000	2,210,000	372,000	120,000
S&E managers	912,000	454,000	389,000	53,000	16,000
S&E precollege teachers	D	D	D	D	D
S&E technicians and technologists	897,000	353,000	450,000	76,000	19,000
Other S&E-related occupations	237,000	121,000	94,000	20,000	D
Non-S&E occupations	23,640,000	10,373,000	10,331,000	2,243,000	693,000
Non-S&E managers	3,966,000	2,156,000	1,502,000	242,000	66,000
Management-related occupations	6,433,000	2,716,000	2,994,000	578,000	144,000

TABLE 3-2

Employed college graduates, by employment sector, minor occupation, and job satisfaction: 2021

(Number)

Sector and occupation	Total	Job satisfaction			
		Very satisfied	Somewhat satisfied	Somewhat dissatisfied	Very dissatisfied
Non-S&E precollege teachers	D	D	D	D	D
Non-S&E postsecondary teachers	D	D	D	D	D
Social services and related occupations	1,223,000	601,000	499,000	92,000	31,000
Sales and marketing occupations	4,274,000	1,817,000	1,869,000	450,000	138,000
Art, humanities, and related occupations	1,289,000	566,000	596,000	104,000	24,000
Other non-S&E occupations	6,452,000	2,516,000	2,868,000	778,000	290,000
Education	9,978,000	4,189,000	4,874,000	746,000	169,000
S&E occupations	1,254,000	533,000	589,000	109,000	22,000
Biological, agricultural, and other life scientists	323,000	133,000	158,000	28,000	4,000
Agricultural and food scientists	17,000	4,000	11,000	2,000	D
Biological and medical scientists	196,000	73,000	104,000	17,000	1,000
Environmental life scientists	S	S	D	D	D
Postsecondary teachers - life and related sciences	103,000	49,000	43,000	8,000	S
Computer and mathematical scientists	331,000	142,000	157,000	28,000	4,000
Computer and information scientists	194,000	78,000	94,000	19,000	3,000
Mathematical scientists	26,000	11,000	13,000	1,000	D
Postsecondary teachers - computer and math sciences	111,000	52,000	49,000	8,000	S
Physical and related scientists	140,000	57,000	69,000	11,000	2,000
Chemists, except biochemists	18,000	3,000	12,000	2,000	D
Earth, atmospheric, and ocean scientists	14,000	6,000	7,000	1,000	D
Physicists	21,000	8,000	10,000	1,000	D
Other physical and related scientists, including astronomers	8,000	S	2,000	D	D
Postsecondary teachers - physical and related sciences	80,000	34,000	38,000	6,000	S
Social and related scientists	341,000	149,000	147,000	34,000	10,000
Economists	12,000	S	4,000	S	D
Political scientists	5,000	2,000	1,000	S	D
Psychologists	86,000	32,000	46,000	4,000	S
Anthropologists	3,000	2,000	1,000	D	D
Other social and related scientists	46,000	25,000	13,000	8,000	D
Postsecondary teachers - social and related sciences	188,000	80,000	82,000	20,000	5,000
Engineers	119,000	52,000	58,000	8,000	D
Aerospace, aeronautical, and astronautical engineers	5,000	2,000	S	D	D
Chemical engineers	4,000	1,000	3,000	D	D
Civil, architectural, and sanitary engineers	9,000	6,000	3,000	D	D
Electrical and computer hardware engineers	10,000	4,000	5,000	D	D
Industrial engineers	*	D	D	D	D
Mechanical engineers	12,000	4,000	6,000	2,000	D
Other engineers	23,000	13,000	9,000	2,000	D
Postsecondary teachers - engineering	55,000	22,000	28,000	4,000	D
S&E-related occupations	1,883,000	856,000	878,000	119,000	30,000
Health-related occupations	832,000	384,000	384,000	47,000	17,000
S&E managers	62,000	31,000	29,000	1,000	D
S&E precollege teachers	915,000	410,000	429,000	66,000	11,000
S&E technicians and technologists	69,000	30,000	34,000	5,000	D
Other S&E-related occupations	S	D	D	D	D

TABLE 3-2

Employed college graduates, by employment sector, minor occupation, and job satisfaction: 2021

(Number)

Sector and occupation	Total	Job satisfaction			
		Very satisfied	Somewhat satisfied	Somewhat dissatisfied	Very dissatisfied
Non-S&E occupations	6,842,000	2,800,000	3,407,000	517,000	117,000
Non-S&E managers	508,000	250,000	228,000	25,000	S
Management-related occupations	458,000	192,000	224,000	34,000	S
Non-S&E precollege teachers	3,916,000	1,572,000	1,986,000	285,000	73,000
Non-S&E postsecondary teachers	559,000	241,000	272,000	39,000	8,000
Social services and related occupations	411,000	139,000	219,000	44,000	8,000
Sales and marketing occupations	115,000	41,000	61,000	S	D
Art, humanities, and related occupations	92,000	26,000	41,000	S	D
Other non-S&E occupations	783,000	341,000	376,000	55,000	11,000
Government	5,439,000	2,625,000	2,270,000	425,000	118,000
S&E occupations	836,000	425,000	350,000	49,000	13,000
Biological, agricultural, and other life scientists	126,000	63,000	52,000	9,000	2,000
Agricultural and food scientists	7,000	5,000	2,000	D	D
Biological and medical scientists	93,000	46,000	39,000	7,000	S
Environmental life scientists	26,000	12,000	11,000	S	D
Postsecondary teachers - life and related sciences	D	D	D	D	D
Computer and mathematical scientists	268,000	147,000	104,000	14,000	3,000
Computer and information scientists	223,000	117,000	95,000	9,000	S
Mathematical scientists	45,000	30,000	10,000	S	S
Postsecondary teachers - computer and math sciences	D	D	D	D	D
Physical and related scientists	99,000	43,000	46,000	8,000	S
Chemists, except biochemists	20,000	9,000	6,000	S	S
Earth, atmospheric, and ocean scientists	25,000	14,000	11,000	1,000	D
Physicists	12,000	9,000	3,000	D	D
Other physical and related scientists, including astronomers	41,000	11,000	26,000	3,000	D
Postsecondary teachers - physical and related sciences	D	D	D	D	D
Social and related scientists	114,000	49,000	62,000	3,000	1,000
Economists	13,000	8,000	4,000	*	D
Political scientists	20,000	11,000	S	D	D
Psychologists	20,000	6,000	13,000	D	D
Anthropologists	3,000	2,000	2,000	D	D
Other social and related scientists	59,000	22,000	34,000	S	D
Postsecondary teachers - social and related sciences	D	D	D	D	D
Engineers	229,000	125,000	86,000	14,000	5,000
Aerospace, aeronautical, and astronautical engineers	19,000	10,000	8,000	D	D
Chemical engineers	3,000	S	S	D	D
Civil, architectural, and sanitary engineers	87,000	52,000	29,000	6,000	1,000
Electrical and computer hardware engineers	37,000	17,000	18,000	S	D
Industrial engineers	5,000	3,000	2,000	D	D
Mechanical engineers	26,000	12,000	12,000	1,000	S
Other engineers	52,000	27,000	17,000	5,000	S
Postsecondary teachers - engineering	D	D	D	D	D
S&E-related occupations	736,000	335,000	325,000	66,000	11,000
Health-related occupations	446,000	203,000	193,000	42,000	8,000
S&E managers	161,000	74,000	67,000	S	D

TABLE 3-2

Employed college graduates, by employment sector, minor occupation, and job satisfaction: 2021

(Number)

Sector and occupation	Total	Job satisfaction			
		Very satisfied	Somewhat satisfied	Somewhat dissatisfied	Very dissatisfied
S&E precollege teachers	D	D	D	D	D
S&E technicians and technologists	122,000	56,000	61,000	3,000	S
Other S&E-related occupations	7,000	S	S	D	D
Non-S&E occupations	3,867,000	1,865,000	1,595,000	311,000	95,000
Non-S&E managers	511,000	277,000	177,000	46,000	10,000
Management-related occupations	977,000	503,000	361,000	91,000	22,000
Non-S&E precollege teachers	D	D	D	D	D
Non-S&E postsecondary teachers	D	D	D	D	D
Social services and related occupations	438,000	143,000	236,000	45,000	14,000
Sales and marketing occupations	59,000	35,000	18,000	S	D
Art, humanities, and related occupations	27,000	11,000	14,000	D	D
Other non-S&E occupations	1,855,000	896,000	788,000	123,000	47,000

* = 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. Business or industry includes self-employed individuals, nonprofit organizations, and other unspecified types of employers. Education includes 4-year colleges and universities, medical schools, university-affiliated research institutes, 2-year colleges, pre-college institutions, and other educational institutions. Government includes federal (civilian), military, state, and local employers.

Source(s):
National Center for Science and Engineering Statistics, National Survey of College Graduates, 2021.

TABLE 3-3

Employed college graduates, by sex, major occupation, job satisfaction, and primary work activity: 2021

(Number)

Sex, occupation, and job satisfaction	Total	Primary work activity					
		Computer applications	Design	Management and administration[a]	Research and development[b]	Teaching	Other[c]
All sexes	51,764,000	2,911,000	1,468,000	22,217,000	3,893,000	6,634,000	14,640,000
Very satisfied	22,804,000	1,317,000	615,000	9,861,000	1,745,000	2,829,000	6,436,000
Somewhat satisfied	23,329,000	1,375,000	699,000	9,808,000	1,766,000	3,184,000	6,497,000
Somewhat dissatisfied	4,394,000	181,000	127,000	2,020,000	316,000	486,000	1,265,000
Very dissatisfied	1,236,000	38,000	26,000	528,000	66,000	135,000	442,000
S&E occupations	7,894,000	2,224,000	769,000	1,629,000	1,834,000	428,000	1,009,000
Very satisfied	3,493,000	996,000	330,000	723,000	819,000	170,000	455,000
Somewhat satisfied	3,651,000	1,053,000	370,000	727,000	839,000	203,000	459,000
Somewhat dissatisfied	617,000	144,000	55,000	143,000	154,000	44,000	76,000
Very dissatisfied	133,000	31,000	14,000	36,000	22,000	12,000	19,000
Biological, agricultural, and other life scientists	794,000	10,000	7,000	125,000	490,000	67,000	94,000
Very satisfied	346,000	5,000	2,000	60,000	220,000	27,000	32,000
Somewhat satisfied	371,000	4,000	4,000	58,000	227,000	29,000	49,000
Somewhat dissatisfied	65,000	S	1,000	6,000	37,000	8,000	12,000
Very dissatisfied	12,000	D	D	2,000	5,000	4,000	1,000
Computer and mathematical scientists	4,031,000	2,077,000	244,000	722,000	507,000	125,000	357,000
Very satisfied	1,736,000	925,000	92,000	316,000	208,000	52,000	143,000
Somewhat satisfied	1,896,000	988,000	130,000	301,000	243,000	57,000	178,000
Somewhat dissatisfied	332,000	134,000	16,000	84,000	52,000	14,000	30,000
Very dissatisfied	67,000	30,000	5,000	20,000	4,000	3,000	6,000
Physical and related scientists	408,000	9,000	6,000	65,000	199,000	59,000	70,000
Very satisfied	166,000	3,000	2,000	27,000	87,000	20,000	26,000
Somewhat satisfied	202,000	6,000	3,000	33,000	92,000	32,000	36,000
Somewhat dissatisfied	33,000	D	D	5,000	17,000	5,000	6,000
Very dissatisfied	8,000	D	D	1,000	3,000	D	S
Social and related scientists	712,000	13,000	9,000	110,000	197,000	138,000	245,000
Very satisfied	335,000	S	4,000	35,000	101,000	53,000	133,000
Somewhat satisfied	313,000	4,000	5,000	63,000	73,000	67,000	101,000
Somewhat dissatisfied	50,000	*	D	6,000	20,000	15,000	9,000
Very dissatisfied	14,000	D	D	S	2,000	S	1,000
Engineers	1,949,000	115,000	503,000	608,000	442,000	38,000	242,000
Very satisfied	911,000	55,000	230,000	284,000	203,000	18,000	121,000
Somewhat satisfied	869,000	51,000	229,000	273,000	204,000	18,000	94,000
Somewhat dissatisfied	137,000	8,000	37,000	43,000	27,000	2,000	20,000
Very dissatisfied	32,000	1,000	8,000	7,000	7,000	D	8,000
S&E-related occupations	9,522,000	330,000	248,000	1,665,000	568,000	1,138,000	5,573,000
Very satisfied	4,272,000	162,000	115,000	758,000	254,000	502,000	2,482,000
Somewhat satisfied	4,346,000	153,000	106,000	755,000	277,000	521,000	2,533,000
Somewhat dissatisfied	706,000	13,000	23,000	122,000	31,000	94,000	423,000
Very dissatisfied	198,000	3,000	S	30,000	5,000	21,000	134,000
Non-S&E occupations	34,349,000	357,000	451,000	18,923,000	1,491,000	5,068,000	8,058,000
Very satisfied	15,038,000	159,000	170,000	8,380,000	672,000	2,158,000	3,499,000
Somewhat satisfied	15,333,000	169,000	223,000	8,326,000	650,000	2,460,000	3,506,000
Somewhat dissatisfied	3,072,000	24,000	50,000	1,755,000	130,000	348,000	765,000
Very dissatisfied	905,000	S	S	462,000	40,000	102,000	289,000
Female	26,493,000	638,000	417,000	11,070,000	1,624,000	4,652,000	8,093,000
Very satisfied	11,230,000	289,000	160,000	4,727,000	691,000	1,901,000	3,462,000

TABLE 3-3

Employed college graduates, by sex, major occupation, job satisfaction, and primary work activity: 2021

(Number)

Sex, occupation, and job satisfaction	Total	Primary work activity					
		Computer applications	Design	Management and administration[a]	Research and development[b]	Teaching	Other[c]
Somewhat satisfied	12,225,000	301,000	206,000	4,982,000	762,000	2,296,000	3,679,000
Somewhat dissatisfied	2,309,000	37,000	41,000	1,043,000	135,000	352,000	701,000
Very dissatisfied	729,000	11,000	9,000	319,000	36,000	103,000	252,000
S&E occupations	2,300,000	444,000	156,000	516,000	616,000	191,000	376,000
Very satisfied	990,000	203,000	62,000	211,000	267,000	70,000	176,000
Somewhat satisfied	1,077,000	207,000	79,000	241,000	285,000	96,000	169,000
Somewhat dissatisfied	179,000	27,000	12,000	44,000	54,000	17,000	25,000
Very dissatisfied	54,000	7,000	4,000	19,000	11,000	7,000	6,000
Biological, agricultural, and other life scientists	367,000	4,000	3,000	65,000	210,000	36,000	49,000
Very satisfied	160,000	1,000	S	32,000	92,000	12,000	21,000
Somewhat satisfied	167,000	2,000	S	30,000	95,000	16,000	22,000
Somewhat dissatisfied	33,000	D	D	3,000	19,000	6,000	5,000
Very dissatisfied	7,000	D	D	S	3,000	S	S
Computer and mathematical scientists	1,053,000	414,000	72,000	255,000	163,000	50,000	99,000
Very satisfied	435,000	185,000	29,000	102,000	56,000	23,000	40,000
Somewhat satisfied	503,000	196,000	35,000	110,000	88,000	24,000	50,000
Somewhat dissatisfied	93,000	26,000	6,000	32,000	17,000	3,000	8,000
Very dissatisfied	22,000	7,000	S	11,000	S	D	D
Physical and related scientists	135,000	S	S	21,000	64,000	23,000	25,000
Very satisfied	51,000	S	D	9,000	25,000	6,000	9,000
Somewhat satisfied	72,000	*	D	11,000	30,000	16,000	14,000
Somewhat dissatisfied	8,000	D	D	1,000	6,000	D	1,000
Very dissatisfied	5,000	D	D	D	2,000	D	S
Social and related scientists	433,000	S	7,000	73,000	104,000	74,000	167,000
Very satisfied	188,000	S	S	16,000	50,000	25,000	89,000
Somewhat satisfied	205,000	S	S	47,000	45,000	37,000	70,000
Somewhat dissatisfied	28,000	D	D	4,000	9,000	8,000	7,000
Very dissatisfied	12,000	D	D	S	S	S	1,000
Engineers	312,000	17,000	73,000	103,000	75,000	8,000	36,000
Very satisfied	156,000	10,000	30,000	53,000	43,000	3,000	17,000
Somewhat satisfied	131,000	8,000	37,000	43,000	27,000	4,000	13,000
Somewhat dissatisfied	17,000	D	5,000	5,000	3,000	D	S
Very dissatisfied	8,000	D	S	1,000	3,000	D	S
S&E-related occupations	5,494,000	84,000	57,000	750,000	257,000	707,000	3,638,000
Very satisfied	2,403,000	43,000	27,000	369,000	111,000	290,000	1,563,000
Somewhat satisfied	2,538,000	39,000	23,000	314,000	133,000	339,000	1,690,000
Somewhat dissatisfied	418,000	S	5,000	46,000	11,000	62,000	293,000
Very dissatisfied	135,000	D	S	21,000	S	16,000	92,000
Non-S&E occupations	18,699,000	109,000	203,000	9,804,000	750,000	3,754,000	4,079,000
Very satisfied	7,837,000	43,000	72,000	4,147,000	313,000	1,541,000	1,723,000
Somewhat satisfied	8,610,000	55,000	105,000	4,426,000	344,000	1,861,000	1,820,000
Somewhat dissatisfied	1,711,000	9,000	24,000	952,000	71,000	273,000	383,000
Very dissatisfied	541,000	D	2,000	280,000	23,000	80,000	153,000
Male	25,271,000	2,273,000	1,052,000	11,147,000	2,270,000	1,982,000	6,546,000
Very satisfied	11,574,000	1,028,000	455,000	5,134,000	1,054,000	928,000	2,974,000
Somewhat satisfied	11,104,000	1,074,000	493,000	4,826,000	1,005,000	888,000	2,818,000

TABLE 3-3

Employed college graduates, by sex, major occupation, job satisfaction, and primary work activity: 2021

(Number)

Sex, occupation, and job satisfaction	Total	Primary work activity					
		Computer applications	Design	Management and administration[a]	Research and development[b]	Teaching	Other[c]
Somewhat dissatisfied	2,086,000	144,000	86,000	978,000	180,000	134,000	564,000
Very dissatisfied	507,000	27,000	18,000	209,000	30,000	32,000	190,000
S&E occupations	5,594,000	1,780,000	613,000	1,113,000	1,218,000	237,000	632,000
Very satisfied	2,504,000	793,000	268,000	512,000	552,000	100,000	278,000
Somewhat satisfied	2,573,000	846,000	292,000	485,000	554,000	106,000	290,000
Somewhat dissatisfied	437,000	117,000	42,000	99,000	100,000	27,000	52,000
Very dissatisfied	79,000	24,000	10,000	17,000	11,000	4,000	12,000
Biological, agricultural, and other life scientists	427,000	7,000	4,000	60,000	280,000	31,000	45,000
Very satisfied	186,000	3,000	2,000	28,000	128,000	15,000	11,000
Somewhat satisfied	204,000	2,000	2,000	28,000	132,000	13,000	27,000
Somewhat dissatisfied	31,000	D	D	3,000	19,000	2,000	7,000
Very dissatisfied	5,000	D	D	S	2,000	S	D
Computer and mathematical scientists	2,979,000	1,663,000	172,000	467,000	344,000	75,000	258,000
Very satisfied	1,301,000	741,000	64,000	215,000	152,000	28,000	103,000
Somewhat satisfied	1,394,000	792,000	94,000	191,000	155,000	33,000	129,000
Somewhat dissatisfied	238,000	108,000	10,000	52,000	35,000	11,000	22,000
Very dissatisfied	46,000	23,000	S	9,000	3,000	S	5,000
Physical and related scientists	273,000	8,000	5,000	44,000	135,000	36,000	45,000
Very satisfied	115,000	3,000	S	18,000	61,000	14,000	17,000
Somewhat satisfied	130,000	5,000	2,000	21,000	62,000	17,000	22,000
Somewhat dissatisfied	25,000	D	D	4,000	11,000	5,000	5,000
Very dissatisfied	3,000	D	D	S	1,000	D	1,000
Social and related scientists	279,000	5,000	2,000	38,000	93,000	64,000	78,000
Very satisfied	147,000	S	S	19,000	52,000	28,000	45,000
Somewhat satisfied	108,000	S	*	16,000	28,000	29,000	32,000
Somewhat dissatisfied	22,000	D	D	S	12,000	S	2,000
Very dissatisfied	2,000	D	D	D	S	D	D
Engineers	1,636,000	97,000	430,000	505,000	367,000	31,000	206,000
Very satisfied	755,000	45,000	200,000	231,000	160,000	15,000	104,000
Somewhat satisfied	738,000	43,000	192,000	230,000	178,000	14,000	81,000
Somewhat dissatisfied	120,000	8,000	32,000	38,000	25,000	2,000	16,000
Very dissatisfied	23,000	1,000	6,000	6,000	5,000	D	5,000
S&E-related occupations	4,028,000	246,000	191,000	915,000	310,000	431,000	1,935,000
Very satisfied	1,869,000	118,000	88,000	388,000	143,000	212,000	919,000
Somewhat satisfied	1,808,000	114,000	84,000	441,000	144,000	182,000	843,000
Somewhat dissatisfied	288,000	11,000	18,000	76,000	21,000	32,000	130,000
Very dissatisfied	63,000	2,000	S	10,000	3,000	5,000	42,000
Non-S&E occupations	15,649,000	247,000	248,000	9,119,000	741,000	1,314,000	3,979,000
Very satisfied	7,201,000	117,000	99,000	4,234,000	359,000	617,000	1,776,000
Somewhat satisfied	6,723,000	114,000	118,000	3,900,000	306,000	600,000	1,686,000
Somewhat dissatisfied	1,360,000	15,000	25,000	803,000	60,000	75,000	383,000
Very dissatisfied	364,000	1,000	D	183,000	17,000	22,000	135,000

* = 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] Management and administration includes respondents who reported the following work activities: accounting, finance, or contracts; human resources; quality or productivity management; sales and marketing; or managing and supervising.

[b] Research and development includes basic research, applied research, or development.

[c] Other work activities includes production, operations, maintenance, professional services, and other activities not broken out separately. "Design" is no longer included in the definition of "Other" and is now its own category.

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, 2021.

TABLE 3-4

Employed college graduates, by sex, major occupation, job satisfaction, and years since highest degree: 2021

(Number)

Sex, occupation, and job satisfaction	Total	Years since highest degree							
		< 5	5–9	10–14	15–19	20–24	25–29	30–34	≥ 35
All sexes	51,764,000	8,005,000	9,950,000	7,972,000	6,358,000	5,154,000	4,472,000	3,535,000	6,318,000
Very satisfied	22,804,000	2,950,000	3,904,000	3,344,000	2,749,000	2,441,000	2,136,000	1,749,000	3,531,000
Somewhat satisfied	23,329,000	3,755,000	4,720,000	3,643,000	3,036,000	2,343,000	1,981,000	1,464,000	2,388,000
Somewhat dissatisfied	4,394,000	1,006,000	1,011,000	767,000	447,000	289,000	304,000	260,000	310,000
Very dissatisfied	1,236,000	295,000	315,000	217,000	125,000	81,000	52,000	61,000	89,000
S&E occupations	7,894,000	1,564,000	1,734,000	1,198,000	911,000	777,000	596,000	491,000	623,000
Very satisfied	3,493,000	616,000	733,000	501,000	417,000	359,000	267,000	261,000	338,000
Somewhat satisfied	3,651,000	754,000	807,000	573,000	426,000	361,000	278,000	199,000	253,000
Somewhat dissatisfied	617,000	155,000	147,000	105,000	61,000	49,000	43,000	28,000	27,000
Very dissatisfied	133,000	38,000	47,000	19,000	6,000	8,000	7,000	S	4,000
Biological, agricultural, and other life scientists	794,000	192,000	195,000	109,000	71,000	84,000	42,000	42,000	59,000
Very satisfied	346,000	83,000	74,000	43,000	26,000	41,000	18,000	24,000	37,000
Somewhat satisfied	371,000	89,000	99,000	52,000	41,000	37,000	20,000	14,000	19,000
Somewhat dissatisfied	65,000	15,000	18,000	13,000	4,000	6,000	4,000	3,000	2,000
Very dissatisfied	12,000	5,000	4,000	1,000	1,000	D	D	D	D
Computer and mathematical scientists	4,031,000	716,000	861,000	656,000	525,000	424,000	327,000	253,000	271,000
Very satisfied	1,736,000	269,000	367,000	277,000	241,000	187,000	140,000	124,000	130,000
Somewhat satisfied	1,896,000	357,000	389,000	312,000	240,000	205,000	157,000	111,000	126,000
Somewhat dissatisfied	332,000	73,000	76,000	60,000	40,000	26,000	26,000	16,000	14,000
Very dissatisfied	67,000	17,000	28,000	7,000	3,000	5,000	4,000	S	D
Physical and related scientists	408,000	92,000	92,000	60,000	35,000	35,000	32,000	27,000	33,000
Very satisfied	166,000	32,000	34,000	22,000	14,000	17,000	16,000	13,000	18,000
Somewhat satisfied	202,000	51,000	49,000	32,000	16,000	15,000	13,000	12,000	13,000
Somewhat dissatisfied	33,000	7,000	7,000	4,000	4,000	S	3,000	S	2,000
Very dissatisfied	8,000	S	2,000	2,000	S	*	*	D	D
Social and related scientists	712,000	182,000	158,000	105,000	73,000	57,000	41,000	43,000	53,000
Very satisfied	335,000	77,000	69,000	42,000	30,000	32,000	18,000	27,000	40,000
Somewhat satisfied	313,000	81,000	69,000	52,000	40,000	23,000	21,000	14,000	12,000
Somewhat dissatisfied	50,000	19,000	12,000	S	3,000	3,000	2,000	S	S
Very dissatisfied	14,000	S	S	S	D	D	D	D	D
Engineers	1,949,000	382,000	428,000	267,000	207,000	178,000	154,000	126,000	207,000
Very satisfied	911,000	156,000	188,000	117,000	106,000	83,000	74,000	73,000	113,000
Somewhat satisfied	869,000	175,000	201,000	124,000	90,000	81,000	68,000	47,000	83,000
Somewhat dissatisfied	137,000	40,000	33,000	20,000	10,000	12,000	9,000	6,000	9,000
Very dissatisfied	32,000	11,000	6,000	6,000	1,000	2,000	3,000	1,000	2,000
S&E-related occupations	9,522,000	1,862,000	2,006,000	1,477,000	1,059,000	906,000	705,000	533,000	973,000
Very satisfied	4,272,000	681,000	840,000	672,000	473,000	424,000	342,000	262,000	577,000
Somewhat satisfied	4,346,000	905,000	947,000	675,000	499,000	422,000	320,000	233,000	344,000
Somewhat dissatisfied	706,000	206,000	169,000	109,000	75,000	41,000	39,000	31,000	36,000
Very dissatisfied	198,000	70,000	49,000	21,000	13,000	19,000	S	6,000	16,000
Non-S&E occupations	34,349,000	4,580,000	6,209,000	5,297,000	4,388,000	3,470,000	3,171,000	2,511,000	4,722,000
Very satisfied	15,038,000	1,652,000	2,330,000	2,171,000	1,860,000	1,658,000	1,526,000	1,225,000	2,616,000
Somewhat satisfied	15,333,000	2,096,000	2,965,000	2,395,000	2,111,000	1,561,000	1,382,000	1,033,000	1,790,000
Somewhat dissatisfied	3,072,000	645,000	695,000	553,000	311,000	198,000	221,000	201,000	246,000
Very dissatisfied	905,000	187,000	219,000	177,000	106,000	53,000	41,000	52,000	69,000
Female	26,493,000	4,513,000	5,481,000	4,287,000	3,234,000	2,596,000	2,183,000	1,605,000	2,595,000
Very satisfied	11,230,000	1,650,000	2,093,000	1,779,000	1,334,000	1,146,000	1,040,000	758,000	1,430,000
Somewhat satisfied	12,225,000	2,123,000	2,612,000	1,981,000	1,608,000	1,264,000	975,000	681,000	981,000

TABLE 3-4

Employed college graduates, by sex, major occupation, job satisfaction, and years since highest degree: 2021

(Number)

Sex, occupation, and job satisfaction	Total	Years since highest degree							
		< 5	5–9	10–14	15–19	20–24	25–29	30–34	≥ 35
Somewhat dissatisfied	2,309,000	552,000	580,000	403,000	225,000	133,000	134,000	138,000	143,000
Very dissatisfied	729,000	187,000	195,000	125,000	67,000	52,000	34,000	28,000	40,000
S&E occupations	2,300,000	535,000	516,000	351,000	264,000	217,000	172,000	120,000	125,000
Very satisfied	990,000	204,000	217,000	153,000	116,000	92,000	74,000	63,000	71,000
Somewhat satisfied	1,077,000	270,000	237,000	160,000	131,000	106,000	79,000	48,000	48,000
Somewhat dissatisfied	179,000	50,000	41,000	30,000	14,000	15,000	17,000	8,000	5,000
Very dissatisfied	54,000	12,000	21,000	9,000	3,000	S	S	D	D
Biological, agricultural, and other life scientists	367,000	85,000	95,000	55,000	42,000	39,000	18,000	12,000	20,000
Very satisfied	160,000	34,000	40,000	24,000	16,000	18,000	8,000	8,000	12,000
Somewhat satisfied	167,000	39,000	45,000	25,000	24,000	17,000	7,000	4,000	6,000
Somewhat dissatisfied	33,000	10,000	7,000	5,000	3,000	4,000	S	*	S
Very dissatisfied	7,000	3,000	3,000	S	D	D	D	D	D
Computer and mathematical scientists	1,053,000	210,000	207,000	158,000	129,000	110,000	104,000	64,000	69,000
Very satisfied	435,000	70,000	86,000	72,000	58,000	41,000	43,000	31,000	34,000
Somewhat satisfied	503,000	118,000	96,000	65,000	60,000	60,000	46,000	26,000	32,000
Somewhat dissatisfied	93,000	20,000	17,000	19,000	10,000	6,000	12,000	7,000	S
Very dissatisfied	22,000	3,000	9,000	2,000	S	S	D	D	D
Physical and related scientists	135,000	34,000	39,000	26,000	10,000	9,000	5,000	6,000	5,000
Very satisfied	51,000	9,000	17,000	9,000	5,000	4,000	2,000	2,000	3,000
Somewhat satisfied	72,000	21,000	18,000	15,000	5,000	5,000	2,000	4,000	2,000
Somewhat dissatisfied	8,000	2,000	S	1,000	*	D	S	D	*
Very dissatisfied	5,000	D	S	S	D	D	D	D	D
Social and related scientists	433,000	121,000	94,000	71,000	50,000	32,000	29,000	21,000	16,000
Very satisfied	188,000	51,000	39,000	28,000	21,000	17,000	10,000	9,000	12,000
Somewhat satisfied	205,000	56,000	41,000	37,000	28,000	13,000	17,000	10,000	3,000
Somewhat dissatisfied	28,000	11,000	8,000	4,000	S	1,000	1,000	S	D
Very dissatisfied	12,000	S	S	D	D	D	D	D	D
Engineers	312,000	84,000	80,000	42,000	32,000	26,000	16,000	17,000	15,000
Very satisfied	156,000	39,000	36,000	20,000	16,000	12,000	10,000	13,000	10,000
Somewhat satisfied	131,000	36,000	37,000	18,000	15,000	11,000	6,000	3,000	4,000
Somewhat dissatisfied	17,000	6,000	5,000	2,000	S	3,000	D	D	D
Very dissatisfied	8,000	S	2,000	S	D	D	D	D	D
S&E-related occupations	5,494,000	1,227,000	1,273,000	905,000	560,000	487,000	345,000	234,000	463,000
Very satisfied	2,403,000	438,000	533,000	417,000	225,000	225,000	174,000	109,000	283,000
Somewhat satisfied	2,538,000	597,000	609,000	405,000	279,000	227,000	155,000	112,000	154,000
Somewhat dissatisfied	418,000	133,000	103,000	71,000	48,000	21,000	13,000	8,000	21,000
Very dissatisfied	135,000	59,000	28,000	12,000	S	15,000	D	S	D
Non-S&E occupations	18,699,000	2,751,000	3,692,000	3,031,000	2,410,000	1,892,000	1,665,000	1,251,000	2,007,000
Very satisfied	7,837,000	1,009,000	1,343,000	1,208,000	993,000	829,000	792,000	586,000	1,077,000
Somewhat satisfied	8,610,000	1,257,000	1,767,000	1,417,000	1,198,000	932,000	740,000	521,000	779,000
Somewhat dissatisfied	1,711,000	369,000	436,000	302,000	163,000	98,000	104,000	122,000	117,000
Very dissatisfied	541,000	116,000	146,000	105,000	56,000	33,000	28,000	23,000	34,000
Male	25,271,000	3,492,000	4,469,000	3,684,000	3,124,000	2,558,000	2,289,000	1,930,000	3,723,000
Very satisfied	11,574,000	1,299,000	1,811,000	1,566,000	1,415,000	1,295,000	1,095,000	991,000	2,101,000
Somewhat satisfied	11,104,000	1,632,000	2,107,000	1,661,000	1,428,000	1,079,000	1,006,000	784,000	1,407,000
Somewhat dissatisfied	2,086,000	453,000	431,000	365,000	223,000	155,000	170,000	122,000	167,000
Very dissatisfied	507,000	108,000	120,000	92,000	59,000	29,000	18,000	33,000	49,000
S&E occupations	5,594,000	1,028,000	1,218,000	846,000	647,000	561,000	424,000	371,000	498,000

TABLE 3-4

Employed college graduates, by sex, major occupation, job satisfaction, and years since highest degree: 2021

(Number)

Sex, occupation, and job satisfaction	Total	Years since highest degree							
		< 5	5–9	10–14	15–19	20–24	25–29	30–34	≥ 35
Very satisfied	2,504,000	413,000	516,000	348,000	301,000	267,000	193,000	198,000	268,000
Somewhat satisfied	2,573,000	484,000	571,000	413,000	295,000	255,000	200,000	151,000	205,000
Somewhat dissatisfied	437,000	106,000	106,000	75,000	48,000	35,000	26,000	19,000	22,000
Very dissatisfied	79,000	26,000	25,000	10,000	3,000	4,000	5,000	S	3,000
Biological, agricultural, and other life scientists	427,000	106,000	100,000	54,000	29,000	44,000	24,000	29,000	39,000
Very satisfied	186,000	49,000	34,000	19,000	10,000	22,000	10,000	16,000	25,000
Somewhat satisfied	204,000	50,000	53,000	27,000	17,000	20,000	12,000	11,000	13,000
Somewhat dissatisfied	31,000	5,000	11,000	8,000	1,000	S	1,000	3,000	S
Very dissatisfied	5,000	S	1,000	S	*	D	D	D	D
Computer and mathematical scientists	2,979,000	505,000	653,000	497,000	395,000	313,000	224,000	189,000	202,000
Very satisfied	1,301,000	199,000	281,000	204,000	183,000	147,000	97,000	93,000	97,000
Somewhat satisfied	1,394,000	239,000	293,000	247,000	180,000	145,000	111,000	85,000	94,000
Somewhat dissatisfied	238,000	53,000	59,000	41,000	30,000	20,000	14,000	9,000	11,000
Very dissatisfied	46,000	14,000	19,000	4,000	2,000	S	S	D	D
Physical and related scientists	273,000	58,000	53,000	34,000	24,000	27,000	27,000	22,000	28,000
Very satisfied	115,000	22,000	18,000	13,000	9,000	13,000	13,000	12,000	15,000
Somewhat satisfied	130,000	30,000	31,000	17,000	11,000	11,000	11,000	8,000	10,000
Somewhat dissatisfied	25,000	5,000	4,000	4,000	4,000	S	3,000	S	2,000
Very dissatisfied	3,000	1,000	1,000	*	D	D	*	D	D
Social and related scientists	279,000	61,000	64,000	35,000	23,000	25,000	12,000	22,000	37,000
Very satisfied	147,000	26,000	31,000	14,000	9,000	14,000	8,000	18,000	27,000
Somewhat satisfied	108,000	25,000	28,000	16,000	12,000	10,000	4,000	4,000	9,000
Somewhat dissatisfied	22,000	9,000	S	S	2,000	S	S	D	D
Very dissatisfied	2,000	1,000	D	D	D	D	D	D	D
Engineers	1,636,000	297,000	348,000	226,000	175,000	151,000	137,000	109,000	192,000
Very satisfied	755,000	117,000	152,000	97,000	90,000	71,000	65,000	60,000	103,000
Somewhat satisfied	738,000	139,000	165,000	105,000	75,000	70,000	62,000	43,000	79,000
Somewhat dissatisfied	120,000	33,000	28,000	18,000	10,000	9,000	8,000	6,000	8,000
Very dissatisfied	23,000	8,000	3,000	5,000	*	1,000	3,000	*	S
S&E-related occupations	4,028,000	635,000	734,000	572,000	499,000	419,000	360,000	298,000	511,000
Very satisfied	1,869,000	243,000	308,000	255,000	247,000	199,000	168,000	153,000	295,000
Somewhat satisfied	1,808,000	308,000	339,000	270,000	221,000	194,000	165,000	120,000	190,000
Somewhat dissatisfied	288,000	72,000	66,000	38,000	27,000	21,000	26,000	23,000	15,000
Very dissatisfied	63,000	11,000	21,000	9,000	S	5,000	S	S	S
Non-S&E occupations	15,649,000	1,829,000	2,517,000	2,265,000	1,978,000	1,579,000	1,506,000	1,260,000	2,715,000
Very satisfied	7,201,000	644,000	987,000	963,000	866,000	829,000	734,000	639,000	1,539,000
Somewhat satisfied	6,723,000	840,000	1,198,000	978,000	913,000	629,000	642,000	512,000	1,011,000
Somewhat dissatisfied	1,360,000	275,000	259,000	252,000	148,000	100,000	117,000	80,000	129,000
Very dissatisfied	364,000	71,000	73,000	73,000	51,000	20,000	13,000	29,000	36,000

* = 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, 2021.

TABLE 4-1

Median annual salaries of full-time employed college graduates, by major occupation, age, level of highest degree, and sex: 2021

(Dollars)

Occupation and age	All degrees			Bachelor's			Master's			Doctorate			Professional		
	Total	Female	Male	Total	Female	Male	Total	Female	Male	Total	Female	Male	Total	Female	Male
All occupations, all ages	77,000	66,000	90,000	70,000	60,000	80,000	84,000	73,000	100,000	100,000	92,000	113,000	135,000	110,000	150,000
29 and younger	55,000	51,000	60,000	52,000	48,000	60,000	60,000	58,000	69,000	75,000	73,000	79,000	64,000	58,000	81,000
30–39	75,000	66,000	85,000	69,000	60,000	79,000	79,000	70,000	92,000	90,000	81,000	100,000	119,000	115,000	131,000
40–49	85,000	75,000	100,000	80,000	65,000	95,000	88,000	76,000	105,000	106,000	96,000	118,000	144,000	117,000	185,000
50–75	89,000	75,000	101,000	80,000	66,000	94,000	94,000	83,000	115,000	113,000	100,000	120,000	165,000	139,000	174,000
S&E occupations	99,000	86,000	102,000	93,000	81,000	97,000	106,000	90,000	114,000	107,000	92,000	115,000	90,000	84,000	98,000
29 and younger	73,000	68,000	75,000	72,000	66,000	73,000	80,000	72,000	82,000	64,000	56,000	70,000	D	S	D
30–39	96,000	86,000	100,000	93,000	84,000	95,000	102,000	94,000	110,000	90,000	80,000	100,000	83,000	77,000	87,000
40–49	110,000	95,000	115,000	107,000	92,000	110,000	115,000	92,000	125,000	110,000	100,000	116,000	132,000	98,000	206,000
50–75	115,000	100,000	120,000	110,000	92,000	113,000	120,000	107,000	126,000	125,000	111,000	130,000	100,000	100,000	100,000
Biological, agricultural, and other life scientists	72,000	72,000	71,000	55,000	59,000	52,000	68,000	69,000	65,000	96,000	90,000	100,000	136,000	85,000	172,000
29 and younger	39,000	42,000	39,000	39,000	39,000	39,000	36,000	39,000	36,000	55,000	54,000	S	S	D	D
30–39	64,000	67,000	62,000	58,000	63,000	54,000	62,000	66,000	56,000	70,000	74,000	70,000	S	S	63,000
40–49	90,000	92,000	89,000	80,000	94,000	70,000	80,000	79,000	80,000	108,000	105,000	109,000	213,000	S	217,000
50–75	105,000	102,000	107,000	85,000	84,000	85,000	96,000	93,000	96,000	125,000	125,000	125,000	144,000	70,000	172,000
Computer and mathematical scientists	104,000	92,000	109,000	98,000	88,000	100,000	114,000	100,000	120,000	139,000	120,000	145,000	96,000	S	90,000
29 and younger	81,000	80,000	81,000	77,000	75,000	78,000	92,000	91,000	96,000	S	S	S	D	D	D
30–39	102,000	95,000	105,000	97,000	89,000	100,000	110,000	104,000	119,000	143,000	106,000	147,000	D	D	D
40–49	114,000	98,000	120,000	110,000	96,000	113,000	120,000	99,000	130,000	138,000	126,000	146,000	S	D	D
50–75	112,000	97,000	120,000	106,000	90,000	110,000	120,000	108,000	130,000	139,000	131,000	140,000	98,000	D	S
Physical and related scientists	78,000	72,000	80,000	63,000	60,000	65,000	78,000	77,000	79,000	100,000	83,000	102,000	S	D	*
29 and younger	43,000	44,000	40,000	41,000	43,000	37,000	34,000	43,000	33,000	69,000	83,000	55,000	D	D	D
30–39	72,000	71,000	72,000	64,000	56,000	69,000	75,000	74,000	78,000	80,000	79,000	82,000	D	D	D
40–49	92,000	91,000	92,000	79,000	74,000	80,000	98,000	106,000	92,000	105,000	102,000	104,000	D	D	D
50–75	105,000	88,000	110,000	90,000	85,000	100,000	99,000	82,000	102,000	118,000	101,000	119,000	D	D	D
Social and related scientists	78,000	75,000	87,000	71,000	64,000	79,000	72,000	72,000	72,000	91,000	87,000	98,000	79,000	78,000	85,000
29 and younger	55,000	52,000	64,000	50,000	42,000	71,000	54,000	54,000	53,000	68,000	65,000	71,000	D	D	D
30–39	78,000	77,000	84,000	78,000	75,000	103,000	70,000	72,000	70,000	86,000	77,000	92,000	77,000	S	D
40–49	80,000	75,000	98,000	74,000	72,000	100,000	78,000	77,000	92,000	85,000	83,000	93,000	94,000	95,000	*
50–75	100,000	93,000	100,000	S	134,000	77,000	91,000	82,000	98,000	100,000	92,000	107,000	108,000	94,000	130,000
Engineers	101,000	93,000	104,000	95,000	85,000	96,000	112,000	105,000	115,000	132,000	110,000	134,000	S	D	S
29 and younger	77,000	74,000	77,000	75,000	72,000	75,000	84,000	79,000	84,000	96,000	D	100,000	D	D	D
30–39	100,000	100,000	100,000	95,000	99,000	95,000	106,000	102,000	110,000	114,000	101,000	119,000	D	D	D
40–49	120,000	119,000	120,000	110,000	106,000	111,000	123,000	126,000	122,000	137,000	113,000	147,000	D	D	D
50–75	125,000	121,000	126,000	119,000	112,000	119,000	133,000	131,000	133,000	154,000	147,000	156,000	D	D	D

TABLE 4-1

Median annual salaries of full-time employed college graduates, by major occupation, age, level of highest degree, and sex: 2021

(Dollars)

Occupation and age	All degrees			Bachelor's			Master's			Doctorate			Professional		
	Total	Female	Male	Total	Female	Male	Total	Female	Male	Total	Female	Male	Total	Female	Male
S&E-related occupations	83,000	75,000	100,000	70,000	66,000	80,000	88,000	81,000	100,000	100,000	94,000	115,000	150,000	127,000	194,000
29 and younger	58,000	58,000	60,000	56,000	55,000	56,000	63,000	62,000	65,000	75,000	72,000	79,000	64,000	58,000	74,000
30–39	79,000	74,000	88,000	67,000	65,000	74,000	85,000	80,000	96,000	90,000	89,000	95,000	139,000	135,000	150,000
40–49	92,000	84,000	116,000	82,000	75,000	94,000	90,000	83,000	100,000	126,000	104,000	155,000	214,000	147,000	243,000
50–75	99,000	85,000	120,000	89,000	76,000	100,000	95,000	90,000	110,000	119,000	100,000	127,000	198,000	149,000	218,000
Non-S&E occupations	70,000	62,000	80,000	64,000	55,000	75,000	75,000	69,000	92,000	95,000	90,000	100,000	119,000	100,000	143,000
29 and younger	50,000	47,000	52,000	47,000	45,000	52,000	55,000	55,000	59,000	S	S	S	65,000	55,000	86,000
30–39	67,000	61,000	75,000	63,000	56,000	70,000	70,000	65,000	82,000	91,000	85,000	102,000	106,000	100,000	119,000
40–49	79,000	70,000	94,000	72,000	60,000	85,000	80,000	73,000	99,000	91,000	86,000	100,000	120,000	108,000	143,000
50–75	80,000	68,000	94,000	72,000	60,000	80,000	88,000	79,000	110,000	96,000	95,000	103,000	149,000	116,000	150,000

* = 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):
Median annual salaries are rounded to the nearest $1,000. Full-time employed college graduates are individuals working at least 35 hours in a typical week.

Source(s):
National Center for Science and Engineering Statistics, National Survey of College Graduates, 2021.

TABLE 4-2

Median annual salaries of full-time employed college graduates, by sex, major occupation, age, ethnicity, race, disability status, and citizenship status: 2021

(Dollars)

Sex, occupation, and age	Total	Hispanic or Latino	Not Hispanic or Latino						Without disability	With disability	U.S. citizen	Non-U.S. citizen
			American Indian or Alaska Native	Asian	Black or African American	Native Hawaiian or Other Pacific Islander	White	More than one race				
Both sexes, all occupations	77,000	68,000	59,000	95,000	63,000	84,000	79,000	75,000	78,000	70,000	76,000	87,000
29 and younger	55,000	50,000	S	67,000	46,000	52,000	55,000	59,000	56,000	48,000	55,000	70,000
30–39	75,000	67,000	56,000	95,000	60,000	S	75,000	85,000	75,000	65,000	74,000	92,000
40–49	85,000	80,000	81,000	110,000	70,000	84,000	86,000	80,000	88,000	75,000	85,000	100,000
50–75	89,000	78,000	61,000	100,000	71,000	111,000	90,000	94,000	90,000	80,000	89,000	70,000
S&E occupations	99,000	85,000	71,000	110,000	87,000	89,000	98,000	93,000	100,000	94,000	97,000	106,000
29 and younger	73,000	64,000	S	84,000	66,000	D	72,000	69,000	73,000	65,000	72,000	85,000
30–39	96,000	88,000	73,000	107,000	85,000	116,000	95,000	94,000	97,000	83,000	94,000	108,000
40–49	110,000	102,000	105,000	120,000	89,000	114,000	107,000	116,000	110,000	100,000	109,000	116,000
50–75	115,000	100,000	100,000	125,000	100,000	84,000	115,000	130,000	117,000	106,000	115,000	110,000
Biological, agricultural, and other life scientists	72,000	63,000	D	83,000	65,000	S	72,000	36,000	73,000	65,000	75,000	60,000
29 and younger	39,000	35,000	D	40,000	44,000	D	39,000	S	39,000	36,000	39,000	39,000
30–39	64,000	62,000	D	70,000	56,000	D	64,000	65,000	65,000	54,000	68,000	57,000
40–49	90,000	79,000	D	108,000	91,000	D	87,000	72,000	90,000	90,000	93,000	75,000
50–75	105,000	72,000	D	112,000	108,000	D	105,000	105,000	110,000	96,000	108,000	85,000
Computer and mathematical scientists	104,000	95,000	56,000	118,000	88,000	82,000	100,000	107,000	104,000	100,000	100,000	120,000
29 and younger	81,000	65,000	D	95,000	67,000	D	80,000	82,000	82,000	74,000	78,000	102,000
30–39	102,000	94,000	S	118,000	90,000	S	100,000	100,000	104,000	92,000	98,000	122,000
40–49	114,000	110,000	D	120,000	89,000	D	110,000	117,000	114,000	110,000	110,000	120,000
50–75	112,000	97,000	D	126,000	89,000	D	110,000	135,000	112,000	110,000	111,000	119,000
Physical and related scientists	78,000	52,000	72,000	66,000	68,000	S	81,000	71,000	80,000	72,000	80,000	56,000
29 and younger	43,000	33,000	D	33,000	51,000	D	47,000	66,000	45,000	36,000	45,000	32,000
30–39	72,000	62,000	D	68,000	50,000	D	72,000	95,000	72,000	67,000	73,000	63,000
40–49	92,000	52,000	D	90,000	72,000	D	96,000	106,000	92,000	76,000	92,000	92,000
50–75	105,000	84,000	S	107,000	111,000	D	105,000	*	107,000	82,000	105,000	107,000
Social and related scientists	78,000	78,000	D	88,000	79,000	S	78,000	64,000	80,000	71,000	78,000	70,000
29 and younger	55,000	51,000	D	43,000	56,000	D	55,000	S	55,000	48,000	55,000	S
30–39	78,000	78,000	D	109,000	77,000	D	77,000	S	80,000	76,000	78,000	S
40–49	80,000	75,000	D	97,000	84,000	D	80,000	66,000	84,000	60,000	81,000	S
50–75	100,000	88,000	D	108,000	86,000	D	100,000	79,000	100,000	76,000	100,000	101,000
Engineers	101,000	89,000	80,000	106,000	95,000	90,000	103,000	102,000	102,000	97,000	102,000	100,000
29 and younger	77,000	75,000	*	80,000	74,000	D	76,000	74,000	77,000	74,000	77,000	78,000
30–39	100,000	90,000	S	105,000	93,000	110,000	100,000	107,000	100,000	94,000	100,000	100,000

TABLE 4-2

Median annual salaries of full-time employed college graduates, by sex, major occupation, age, ethnicity, race, disability status, and citizenship status: 2021

(Dollars)

Sex, occupation, and age	Total	Hispanic or Latino	Not Hispanic or Latino						Without disability	With disability	U.S. citizen	Non-U.S. citizen
			American Indian or Alaska Native	Asian	Black or African American	Native Hawaiian or Other Pacific Islander	White	More than one race				
40–49	120,000	119,000	D	129,000	93,000	D	117,000	130,000	120,000	109,000	120,000	124,000
50–75	125,000	117,000	*	128,000	110,000	*	128,000	120,000	128,000	110,000	126,000	110,000
S&E-related occupations	83,000	81,000	79,000	100,000	72,000	82,000	82,000	82,000	85,000	75,000	83,000	81,000
29 and younger	58,000	57,000	S	63,000	50,000	44,000	59,000	53,000	58,000	59,000	58,000	55,000
30–39	79,000	70,000	76,000	100,000	60,000	85,000	76,000	98,000	80,000	69,000	78,000	79,000
40–49	92,000	94,000	S	119,000	75,000	83,000	92,000	115,000	95,000	80,000	92,000	100,000
50–75	99,000	99,000	83,000	111,000	80,000	136,000	100,000	77,000	100,000	85,000	99,000	90,000
Non-S&E occupations	70,000	61,000	58,000	75,000	60,000	65,000	72,000	69,000	70,000	65,000	70,000	65,000
29 and younger	50,000	48,000	S	59,000	44,000	S	50,000	57,000	50,000	40,000	50,000	48,000
30–39	67,000	60,000	48,000	77,000	56,000	40,000	68,000	80,000	68,000	59,000	67,000	70,000
40–49	79,000	73,000	61,000	96,000	64,000	79,000	80,000	69,000	80,000	70,000	80,000	66,000
50–75	80,000	67,000	61,000	70,000	65,000	110,000	83,000	87,000	80,000	75,000	80,000	47,000
Female	66,000	60,000	59,000	81,000	62,000	84,000	67,000	65,000	68,000	60,000	67,000	65,000
29 and younger	51,000	49,000	S	59,000	45,000	S	50,000	50,000	52,000	43,000	50,000	60,000
30–39	66,000	60,000	56,000	85,000	59,000	S	65,000	75,000	67,000	55,000	66,000	73,000
40–49	75,000	74,000	S	95,000	65,000	S	74,000	66,000	75,000	65,000	75,000	61,000
50–75	75,000	60,000	43,000	83,000	68,000	S	76,000	55,000	75,000	65,000	75,000	49,000
S&E occupations	86,000	74,000	81,000	100,000	84,000	85,000	84,000	70,000	87,000	78,000	85,000	93,000
29 and younger	68,000	61,000	S	80,000	63,000	D	62,000	64,000	69,000	56,000	65,000	81,000
30–39	86,000	77,000	*	100,000	84,000	D	84,000	70,000	88,000	77,000	85,000	98,000
40–49	95,000	95,000	S	114,000	89,000	D	85,000	113,000	95,000	84,000	92,000	102,000
50–75	100,000	73,000	*	118,000	78,000	S	99,000	91,000	100,000	87,000	100,000	76,000
Biological, agricultural, and other life scientists	72,000	58,000	*	80,000	65,000	D	75,000	48,000	74,000	53,000	75,000	60,000
29 and younger	42,000	34,000	D	42,000	S	D	43,000	S	44,000	32,000	42,000	39,000
30–39	67,000	60,000	D	74,000	59,000	D	69,000	61,000	69,000	50,000	70,000	60,000
40–49	92,000	79,000	D	94,000	S	D	90,000	*	91,000	114,000	94,000	70,000
50–75	102,000	84,000	D	114,000	S	D	96,000	D	102,000	104,000	105,000	84,000
Computer and mathematical scientists	92,000	80,000	D	107,000	86,000	S	90,000	91,000	92,000	97,000	90,000	106,000
29 and younger	80,000	69,000	D	89,000	77,000	D	75,000	79,000	80,000	70,000	75,000	99,000
30–39	95,000	97,000	D	107,000	92,000	D	86,000	99,000	96,000	88,000	89,000	110,000
40–49	98,000	100,000	D	114,000	88,000	D	84,000	115,000	96,000	104,000	95,000	113,000
50–75	97,000	S	D	120,000	69,000	D	95,000	S	95,000	108,000	98,000	S
Physical and related scientists	72,000	50,000	D	69,000	100,000	D	74,000	71,000	74,000	55,000	73,000	66,000

TABLE 4-2

Median annual salaries of full-time employed college graduates, by sex, major occupation, age, ethnicity, race, disability status, and citizenship status: 2021

(Dollars)

Sex, occupation, and age	Total	Hispanic or Latino	Not Hispanic or Latino						Without disability	With disability	U.S. citizen	Non-U.S. citizen
			American Indian or Alaska Native	Asian	Black or African American	Native Hawaiian or Other Pacific Islander	White	More than one race				
29 and younger	44,000	31,000	D	43,000	*	D	46,000	D	45,000	41,000	45,000	S
30–39	71,000	S	D	75,000	S	D	70,000	96,000	72,000	54,000	71,000	69,000
40–49	91,000	S	D	S	S	D	102,000	*	91,000	S	89,000	S
50–75	88,000	D	D	95,000	98,000	D	86,000	D	92,000	73,000	88,000	88,000
Social and related scientists	75,000	75,000	*	80,000	79,000	D	73,000	64,000	75,000	65,000	75,000	71,000
29 and younger	52,000	52,000	D	41,000	58,000	D	49,000	S	52,000	39,000	51,000	66,000
30–39	77,000	78,000	D	91,000	79,000	D	75,000	S	77,000	76,000	77,000	62,000
40–49	75,000	74,000	D	97,000	86,000	D	76,000	64,000	77,000	57,000	75,000	101,000
50–75	93,000	85,000	D	92,000	80,000	D	94,000	*	100,000	72,000	94,000	S
Engineers	93,000	75,000	D	100,000	96,000	D	94,000	89,000	95,000	81,000	93,000	90,000
29 and younger	74,000	69,000	D	80,000	86,000	D	72,000	69,000	74,000	72,000	75,000	65,000
30–39	100,000	71,000	D	106,000	81,000	D	102,000	107,000	100,000	101,000	100,000	95,000
40–49	119,000	133,000	D	130,000	84,000	D	104,000	D	126,000	S	118,000	152,000
50–75	121,000	119,000	D	107,000	118,000	D	124,000	*	124,000	70,000	121,000	S
S&E-related occupations	75,000	75,000	68,000	89,000	70,000	S	73,000	78,000	75,000	65,000	75,000	55,000
29 and younger	58,000	59,000	S	64,000	49,000	D	58,000	52,000	58,000	59,000	58,000	55,000
30–39	74,000	67,000	64,000	100,000	66,000	D	72,000	95,000	75,000	53,000	74,000	61,000
40–49	84,000	85,000	S	91,000	74,000	S	84,000	80,000	85,000	69,000	85,000	S
50–75	85,000	98,000	D	89,000	79,000	D	84,000	66,000	88,000	72,000	85,000	74,000
Non-S&E occupations	62,000	56,000	57,000	70,000	58,000	78,000	62,000	64,000	62,000	55,000	62,000	59,000
29 and younger	47,000	48,000	S	54,000	44,000	S	46,000	49,000	49,000	38,000	47,000	42,000
30–39	61,000	56,000	S	76,000	54,000	S	60,000	70,000	62,000	52,000	60,000	65,000
40–49	70,000	70,000	S	84,000	63,000	S	70,000	65,000	70,000	62,000	70,000	48,000
50–75	68,000	56,000	41,000	65,000	64,000	S	70,000	S	69,000	63,000	69,000	39,000
Male	90,000	78,000	61,000	107,000	70,000	79,000	91,000	90,000	90,000	82,000	90,000	103,000
29 and younger	60,000	54,000	S	76,000	50,000	50,000	60,000	59,000	60,000	60,000	60,000	83,000
30–39	85,000	75,000	58,000	100,000	63,000	S	85,000	94,000	85,000	75,000	82,000	106,000
40–49	100,000	84,000	S	130,000	84,000	78,000	101,000	103,000	101,000	85,000	100,000	110,000
50–75	101,000	89,000	62,000	119,000	79,000	134,000	105,000	124,000	105,000	94,000	101,000	96,000
S&E occupations	102,000	91,000	58,000	115,000	90,000	89,000	101,000	100,000	103,000	98,000	100,000	110,000
29 and younger	75,000	67,000	S	84,000	67,000	S	75,000	70,000	75,000	67,000	74,000	89,000
30–39	100,000	90,000	73,000	110,000	85,000	116,000	99,000	100,000	100,000	85,000	96,000	115,000
40–49	115,000	109,000	S	127,000	90,000	S	113,000	123,000	116,000	110,000	115,000	118,000
50–75	120,000	105,000	88,000	130,000	110,000	99,000	120,000	131,000	120,000	109,000	120,000	119,000

TABLE 4-2

Median annual salaries of full-time employed college graduates, by sex, major occupation, age, ethnicity, race, disability status, and citizenship status: 2021

(Dollars)

Sex, occupation, and age	Total	Hispanic or Latino	Not Hispanic or Latino						Without disability	With disability	U.S. citizen	Non-U.S. citizen
			American Indian or Alaska Native	Asian	Black or African American	Native Hawaiian or Other Pacific Islander	White	More than one race				
Biological, agricultural, and other life scientists	71,000	65,000	D	87,000	76,000	D	70,000	S	71,000	71,000	75,000	59,000
29 and younger	39,000	42,000	D	32,000	S	D	39,000	S	38,000	41,000	39,000	38,000
30–39	62,000	67,000	D	63,000	48,000	D	61,000	61,000	62,000	54,000	63,000	54,000
40–49	89,000	72,000	D	114,000	75,000	D	84,000	D	90,000	85,000	89,000	85,000
50–75	107,000	70,000	D	111,000	111,000	D	109,000	101,000	111,000	95,000	109,000	80,000
Computer and mathematical scientists	109,000	95,000	S	120,000	90,000	S	105,000	115,000	110,000	101,000	105,000	120,000
29 and younger	81,000	61,000	D	99,000	66,000	D	80,000	87,000	82,000	75,000	79,000	104,000
30–39	105,000	92,000	D	120,000	89,000	S	104,000	100,000	108,000	93,000	100,000	125,000
40–49	120,000	115,000	D	128,000	89,000	D	119,000	113,000	120,000	110,000	120,000	124,000
50–75	120,000	101,000	D	133,000	115,000	S	116,000	142,000	120,000	111,000	120,000	120,000
Physical and related scientists	80,000	54,000	*	63,000	55,000	S	90,000	72,000	80,000	78,000	84,000	54,000
29 and younger	40,000	32,000	D	31,000	D	D	49,000	47,000	41,000	S	45,000	31,000
30–39	72,000	72,000	D	65,000	S	D	74,000	77,000	72,000	113,000	74,000	55,000
40–49	92,000	52,000	D	89,000	S	D	94,000	D	92,000	69,000	92,000	86,000
50–75	110,000	84,000	D	108,000	117,000	D	110,000	*	110,000	83,000	110,000	108,000
Social and related scientists	87,000	92,000	D	104,000	72,000	D	85,000	69,000	89,000	78,000	89,000	56,000
29 and younger	64,000	41,000	D	58,000	S	D	68,000	S	66,000	S	65,000	29,000
30–39	84,000	90,000	D	126,000	73,000	D	80,000	S	88,000	72,000	86,000	S
40–49	98,000	139,000	D	85,000	S	D	92,000	*	100,000	S	100,000	S
50–75	100,000	86,000	D	109,000	95,000	D	103,000	D	100,000	91,000	99,000	119,000
Engineers	104,000	91,000	104,000	108,000	94,000	85,000	105,000	109,000	104,000	100,000	104,000	100,000
29 and younger	77,000	78,000	D	80,000	74,000	D	77,000	80,000	78,000	74,000	77,000	80,000
30–39	100,000	94,000	S	104,000	94,000	110,000	100,000	105,000	100,000	93,000	100,000	103,000
40–49	120,000	117,000	D	128,000	93,000	S	119,000	135,000	120,000	122,000	120,000	120,000
50–75	126,000	117,000	*	130,000	105,000	D	129,000	120,000	128,000	115,000	127,000	111,000
S&E-related occupations	100,000	90,000	97,000	120,000	74,000	82,000	100,000	100,000	100,000	95,000	100,000	104,000
29 and younger	60,000	55,000	D	59,000	58,000	D	60,000	52,000	60,000	54,000	60,000	71,000
30–39	88,000	74,000	135,000	100,000	59,000	S	88,000	109,000	87,000	93,000	87,000	94,000
40–49	116,000	106,000	*	149,000	78,000	78,000	110,000	144,000	118,000	84,000	114,000	139,000
50–75	120,000	100,000	49,000	139,000	98,000	S	120,000	98,000	120,000	100,000	120,000	110,000
Non-S&E occupations	80,000	70,000	59,000	84,000	62,000	64,000	85,000	82,000	81,000	75,000	80,000	79,000

TABLE 4-2

Median annual salaries of full-time employed college graduates, by sex, major occupation, age, ethnicity, race, disability status, and citizenship status: 2021

(Dollars)

Sex, occupation, and age	Total	Hispanic or Latino	Not Hispanic or Latino						Without disability	With disability	U.S. citizen	Non-U.S. citizen
			American Indian or Alaska Native	Asian	Black or African American	Native Hawaiian or Other Pacific Islander	White	More than one race				
29 and younger	52,000	47,000	S	66,000	40,000	S	53,000	59,000	52,000	48,000	52,000	58,000
30–39	75,000	68,000	S	80,000	58,000	S	80,000	94,000	76,000	66,000	75,000	90,000
40–49	94,000	78,000	S	100,000	75,000	61,000	98,000	90,000	94,000	80,000	94,000	98,000
50–75	94,000	80,000	61,000	84,000	73,000	S	99,000	120,000	97,000	80,000	95,000	59,000

* = 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):
Median annual salaries are rounded to the nearest $1,000. Full-time employed college graduates are individuals working at least 35 hours in a typical week. Hispanic or Latino may be any race; race categories exclude Hispanic origin. The National Survey of College Graduates asks the degree of difficulty—none, slight, moderate, severe, or unable to do—an individual has in seeing (with glasses), hearing (with hearing aid), walking without assistance, lifting 10 pounds, or concentrating, remembering, or making decisions. Those respondents who answered "moderate," "severe," or "unable to do" for an activity were classified as having a disability.

Source(s):
National Center for Science and Engineering Statistics, National Survey of College Graduates, 2021.

TABLE 4-3

Employment counts and median annual salaries of full-time employed scientists and engineers, by major field of highest degree, employment sector, and primary work activity: 2021

(Number and dollars)

Field of highest degree and employment sector	Number	Salary	Primary work activity											
			Computer applications		Design		Management and administration[a]		Research and development[b]		Teaching		Other[c]	
			Number	Salary	Number	Salary	Number	Salary	Number	Salary	Number	Salary	Number	Salary
All fields	7,230,000	99,000	2,141,000	108,000	741,000	100,000	1,527,000	101,000	1,663,000	90,000	291,000	74,000	867,000	88,000
Business or industry	5,431,000	105,000	1,923,000	110,000	669,000	101,000	1,177,000	105,000	1,000,000	105,000	26,000	78,000	636,000	90,000
4-year educational institution	825,000	66,000	80,000	75,000	20,000	70,000	66,000	87,000	413,000	54,000	206,000	75,000	40,000	76,000
2-year college or precollege educational institution	165,000	67,000	23,000	67,000	D	D	18,000	65,000	24,000	55,000	48,000	69,000	52,000	71,000
Government	808,000	90,000	115,000	89,000	51,000	100,000	267,000	98,000	226,000	86,000	11,000	85,000	139,000	89,000
S&E fields	5,564,000	100,000	1,712,000	110,000	594,000	100,000	1,055,000	104,000	1,353,000	90,000	224,000	75,000	627,000	89,000
Business or industry	4,177,000	106,000	1,554,000	111,000	538,000	101,000	815,000	107,000	803,000	107,000	11,000	84,000	455,000	93,000
4-year educational institution	685,000	65,000	62,000	78,000	12,000	69,000	47,000	90,000	366,000	52,000	174,000	76,000	24,000	76,000
2-year college or precollege educational institution	108,000	70,000	14,000	53,000	D	D	7,000	73,000	10,000	62,000	34,000	70,000	42,000	74,000
Government	595,000	92,000	83,000	96,000	43,000	93,000	186,000	99,000	173,000	84,000	S	S	105,000	88,000
Biological, agricultural, and environmental life sciences	695,000	72,000	51,000	78,000	12,000	76,000	131,000	78,000	360,000	67,000	46,000	69,000	95,000	71,000
Business or industry	347,000	84,000	41,000	78,000	9,000	89,000	86,000	78,000	146,000	90,000	S	S	63,000	72,000
4-year educational institution	210,000	57,000	4,000	S	D	D	13,000	79,000	154,000	52,000	33,000	69,000	5,000	71,000
2-year college or precollege educational institution	13,000	69,000	D	D	D	D	D	D	D	D	11,000	69,000	D	D
Government	124,000	70,000	5,000	73,000	2,000	57,000	32,000	77,000	58,000	63,000	*	*	27,000	69,000
Computer and mathematical sciences	1,709,000	107,000	1,007,000	110,000	98,000	129,000	223,000	113,000	215,000	105,000	50,000	70,000	116,000	95,000
Business or industry	1,450,000	110,000	914,000	111,000	89,000	129,000	183,000	119,000	169,000	115,000	S	S	92,000	96,000
4-year educational institution	105,000	80,000	29,000	89,000	S	S	12,000	86,000	25,000	70,000	32,000	68,000	4,000	119,000
2-year college or precollege educational institution	37,000	68,000	11,000	52,000	D	D	S	S	S	S	11,000	69,000	8,000	71,000
Government	116,000	96,000	53,000	99,000	S	S	24,000	96,000	17,000	80,000	D	D	13,000	94,000
Physical and related sciences	412,000	92,000	40,000	110,000	19,000	105,000	82,000	105,000	187,000	83,000	35,000	77,000	47,000	76,000
Business or industry	234,000	105,000	33,000	119,000	16,000	105,000	57,000	105,000	92,000	109,000	1,000	D	35,000	78,000
4-year educational institution	107,000	55,000	4,000	44,000	1,000	D	4,000	S	64,000	36,000	31,000	79,000	2,000	51,000
2-year college or precollege educational institution	4,000	68,000	D	D	D	D	D	D	D	D	3,000	70,000	D	D
Government	66,000	92,000	3,000	77,000	2,000	S	21,000	104,000	31,000	92,000	D	D	10,000	76,000
Social and related sciences	594,000	82,000	91,000	82,000	26,000	95,000	110,000	88,000	145,000	82,000	67,000	77,000	156,000	82,000
Business or industry	327,000	89,000	76,000	87,000	22,000	98,000	80,000	88,000	59,000	86,000	4,000	68,000	86,000	85,000
4-year educational institution	143,000	69,000	S	S	D	D	6,000	62,000	59,000	64,000	56,000	78,000	11,000	75,000
2-year college or precollege educational institution	48,000	75,000	D	D	D	D	3,000	68,000	4,000	83,000	7,000	74,000	33,000	76,000
Government	76,000	96,000	4,000	80,000	S	S	21,000	100,000	22,000	90,000	D	D	26,000	95,000
Engineering	2,155,000	106,000	524,000	115,000	439,000	99,000	508,000	112,000	446,000	105,000	26,000	90,000	212,000	99,000
Business or industry	1,818,000	110,000	489,000	118,000	402,000	99,000	408,000	113,000	336,000	110,000	2,000	88,000	180,000	100,000
4-year educational institution	119,000	77,000	14,000	78,000	6,000	68,000	12,000	129,000	64,000	55,000	20,000	94,000	3,000	81,000
2-year college or precollege educational institution	5,000	70,000	S	S	D	D	D	D	D	D	2,000	70,000	D	D

TABLE 4-3

Employment counts and median annual salaries of full-time employed scientists and engineers, by major field of highest degree, employment sector, and primary work activity: 2021

(Number and dollars)

Field of highest degree and employment sector	Number	Salary	Primary work activity											
			Computer applications		Design		Management and administration[a]		Research and development[b]		Teaching		Other[c]	
			Number	Salary	Number	Salary	Number	Salary	Number	Salary	Number	Salary	Number	Salary
Government	213,000	100,000	18,000	92,000	30,000	93,000	88,000	108,000	45,000	95,000	S	S	29,000	98,000
S&E-related fields	400,000	92,000	97,000	105,000	38,000	88,000	81,000	94,000	110,000	91,000	15,000	71,000	59,000	73,000
Business or industry	291,000	95,000	87,000	107,000	35,000	88,000	60,000	96,000	64,000	95,000	4,000	S	42,000	63,000
4-year educational institution	47,000	71,000	3,000	56,000	*	*	4,000	86,000	24,000	62,000	5,000	73,000	10,000	S
2-year college or precollege educational institution	9,000	72,000	D	D	D	D	D	D	D	D	6,000	64,000	D	D
Government	54,000	90,000	6,000	62,000	S	S	17,000	80,000	21,000	100,000	D	D	7,000	86,000
Non-S&E fields	1,267,000	93,000	332,000	99,000	109,000	110,000	392,000	100,000	200,000	90,000	52,000	71,000	181,000	85,000
Business or industry	964,000	100,000	282,000	101,000	97,000	114,000	303,000	103,000	133,000	101,000	11,000	64,000	139,000	85,000
4-year educational institution	94,000	73,000	16,000	73,000	8,000	77,000	15,000	79,000	24,000	61,000	27,000	73,000	6,000	57,000
2-year college or precollege educational institution	49,000	61,000	8,000	67,000	D	D	10,000	62,000	S	S	8,000	67,000	S	S
Government	160,000	90,000	26,000	74,000	5,000	113,000	64,000	95,000	32,000	85,000	S	S	27,000	92,000

* = 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] Management and administration includes respondents who reported the following work activities: accounting, finance, or contracts; human resources; quality or productivity management; sales and marketing; or managing and supervising.

[b] Research and development includes basic research, applied research, or development.

[c] Other work activities includes production, operations, maintenance, professional services, and other activities not broken out separately. "Design" is no longer included in the definition of "Other" and is now its own category.

Note(s):
Population counts are rounded to the nearest 1,000. Detail may not add to total because of rounding. Median annual salaries are rounded to the nearest $1,000. Scientists and engineers are bachelor's and higher degreed individuals living in the United States employed in an S&E occupation. Four-year educational institution includes medical schools and university-affiliated research institutes. Government includes federal (civilian), military, state, and local employers.

Source(s):
National Center for Science and Engineering Statistics, National Survey of College Graduates, 2021.

TABLE 5-1

College graduates, by age, sex, ethnicity, race, disability status, and age at onset of disability, broad occupation, labor force status, and median annual salary: 2021

(Number and dollars)

Age, sex, ethnicity, race, disability status, and age at onset of disability	Total	Employed in all occupations			Employed in S&E occupations		Employed in S&E-related occupations		Employed in non-S&E occupations		Unemployed[a]	Not in labor force[b]				Full-time employed median annual salary ($)
		Employed	Full time	Part time	Full time	Part time	Full time	Part time	Full time	Part time		Total	Student	Retired	Not seeking employment, all other reasons	
75 and younger	68,593,000	51,764,000	44,153,000	7,611,000	7,230,000	664,000	7,975,000	1,547,000	28,948,000	5,400,000	3,160,000	13,669,000	606,000	9,335,000	3,729,000	77,000
Female	36,354,000	26,493,000	21,594,000	4,899,000	1,998,000	302,000	4,380,000	1,114,000	15,216,000	3,483,000	1,638,000	8,222,000	341,000	4,863,000	3,018,000	66,000
Male	32,239,000	25,271,000	22,559,000	2,711,000	5,232,000	361,000	3,595,000	433,000	13,732,000	1,917,000	1,522,000	5,447,000	264,000	4,471,000	711,000	90,000
Hispanic or Latino	6,638,000	5,307,000	4,608,000	699,000	636,000	56,000	712,000	131,000	3,260,000	512,000	426,000	904,000	70,000	444,000	391,000	68,000
Not Hispanic or Latino																
American Indian or Alaska Native	189,000	126,000	107,000	19,000	9,000	S	20,000	S	78,000	16,000	S	47,000	D	36,000	S	59,000
Asian	7,029,000	5,475,000	4,772,000	703,000	1,536,000	129,000	1,085,000	179,000	2,151,000	395,000	410,000	1,144,000	147,000	445,000	552,000	95,000
Black or African American	5,301,000	4,109,000	3,618,000	491,000	369,000	30,000	658,000	98,000	2,592,000	363,000	385,000	807,000	51,000	523,000	233,000	63,000
Native Hawaiian or Other Pacific Islander	164,000	136,000	128,000	7,000	15,000	S	35,000	D	78,000	5,000	6,000	23,000	D	15,000	S	84,000
White	47,685,000	35,373,000	29,833,000	5,540,000	4,505,000	438,000	5,311,000	1,101,000	20,017,000	4,001,000	1,795,000	10,517,000	322,000	7,744,000	2,451,000	79,000
More than one race	1,587,000	1,238,000	1,087,000	151,000	161,000	9,000	153,000	36,000	773,000	107,000	122,000	227,000	15,000	128,000	85,000	75,000
Without disability	58,505,000	45,426,000	39,002,000	6,424,000	6,438,000	567,000	7,179,000	1,355,000	25,384,000	4,502,000	2,582,000	10,497,000	539,000	7,016,000	2,942,000	78,000
With disability	10,087,000	6,338,000	5,151,000	1,187,000	792,000	96,000	795,000	192,000	3,564,000	898,000	578,000	3,172,000	66,000	2,318,000	787,000	70,000
Age at onset of disability																
Since birth	784,000	529,000	426,000	103,000	90,000	10,000	54,000	18,000	282,000	75,000	63,000	192,000	S	96,000	89,000	65,000
1–9	984,000	716,000	584,000	133,000	106,000	13,000	84,000	15,000	394,000	105,000	94,000	175,000	S	98,000	67,000	60,000
10–19	1,635,000	1,212,000	1,010,000	201,000	186,000	10,000	175,000	40,000	649,000	151,000	102,000	322,000	31,000	151,000	140,000	65,000
20–29	1,181,000	814,000	720,000	94,000	100,000	9,000	107,000	7,000	513,000	78,000	80,000	287,000	6,000	153,000	128,000	68,000
30–39	954,000	686,000	569,000	118,000	90,000	9,000	103,000	27,000	376,000	83,000	57,000	210,000	D	121,000	88,000	75,000
40–49	1,610,000	1,101,000	932,000	169,000	126,000	13,000	122,000	20,000	685,000	135,000	82,000	427,000	D	268,000	153,000	83,000
50–59	1,427,000	815,000	657,000	158,000	63,000	16,000	114,000	40,000	480,000	101,000	60,000	551,000	D	455,000	91,000	72,000
60–75	1,512,000	465,000	254,000	211,000	32,000	16,000	37,000	25,000	186,000	170,000	40,000	1,007,000	D	975,000	31,000	75,000
29 and younger	8,837,000	7,489,000	6,586,000	903,000	1,430,000	168,000	1,189,000	201,000	3,967,000	534,000	592,000	756,000	367,000	D	389,000	55,000
Female	4,978,000	4,184,000	3,615,000	569,000	444,000	72,000	763,000	144,000	2,408,000	353,000	305,000	489,000	193,000	D	296,000	51,000
Male	3,859,000	3,305,000	2,971,000	334,000	986,000	95,000	426,000	57,000	1,560,000	182,000	287,000	267,000	174,000	D	93,000	60,000
Hispanic or Latino	1,196,000	992,000	834,000	158,000	158,000	25,000	122,000	30,000	554,000	103,000	109,000	95,000	41,000	D	54,000	50,000
Not Hispanic or Latino																
American Indian or Alaska Native	37,000	S	S	D	S	D	S	D	S	D	D	D	D	D	D	S
Asian	1,124,000	901,000	771,000	130,000	301,000	53,000	145,000	36,000	324,000	42,000	88,000	135,000	84,000	D	50,000	67,000
Black or African American	645,000	526,000	459,000	66,000	61,000	5,000	76,000	14,000	323,000	48,000	66,000	54,000	24,000	D	29,000	46,000
Native Hawaiian or Other Pacific Islander	12,000	10,000	9,000	D	4,000	D	2,000	D	S	D	D	D	D	D	D	52,000
White	5,512,000	4,752,000	4,250,000	502,000	850,000	82,000	808,000	112,000	2,592,000	308,000	309,000	451,000	205,000	D	246,000	55,000
More than one race	310,000	275,000	233,000	42,000	52,000	3,000	32,000	9,000	149,000	30,000	17,000	19,000	11,000	D	8,000	59,000
Without disability	7,886,000	6,742,000	5,948,000	794,000	1,319,000	155,000	1,098,000	186,000	3,531,000	453,000	523,000	621,000	329,000	D	291,000	56,000
With disability	951,000	747,000	638,000	109,000	111,000	13,000	91,000	15,000	436,000	81,000	69,000	135,000	37,000	D	98,000	48,000

TABLE 5-1

College graduates, by age, sex, ethnicity, race, disability status, and age at onset of disability, broad occupation, labor force status, and median annual salary: 2021

(Number and dollars)

Age, sex, ethnicity, race, disability status, and age at onset of disability	Total	Employed in all occupations			Employed in S&E occupations		Employed in S&E-related occupations		Employed in non-S&E occupations		Unemployed[a]	Not in labor force[b]				Full-time employed median annual salary ($)
		Employed	Full time	Part time	Full time	Part time	Full time	Part time	Full time	Part time		Total	Student	Retired	Not seeking employment, all other reasons	
Age at onset of disability																
Since birth	133,000	78,000	72,000	6,000	17,000	2,000	7,000	D	48,000	2,000	S	31,000	S	D	S	55,000
1–9	213,000	190,000	153,000	37,000	32,000	5,000	21,000	D	100,000	S	11,000	12,000	5,000	D	6,000	50,000
10–19	370,000	302,000	248,000	54,000	46,000	3,000	40,000	10,000	162,000	41,000	12,000	55,000	25,000	D	S	43,000
20–29	235,000	176,000	166,000	11,000	16,000	3,000	23,000	S	126,000	6,000	22,000	37,000	5,000	D	31,000	48,000
30–39	16,205,000	14,111,000	12,566,000	1,545,000	2,351,000	130,000	2,366,000	436,000	7,849,000	979,000	815,000	1,279,000	130,000	20,000	1,130,000	75,000
Female	8,920,000	7,382,000	6,284,000	1,098,000	649,000	75,000	1,350,000	347,000	4,284,000	676,000	458,000	1,080,000	78,000	19,000	983,000	66,000
Male	7,285,000	6,729,000	6,282,000	447,000	1,702,000	55,000	1,016,000	89,000	3,564,000	303,000	357,000	200,000	52,000	S	146,000	85,000
Hispanic or Latino	1,961,000	1,679,000	1,508,000	171,000	240,000	12,000	232,000	48,000	1,036,000	111,000	139,000	142,000	21,000	D	121,000	67,000
Not Hispanic or Latino																
American Indian or Alaska Native	33,000	22,000	20,000	2,000	2,000	D	7,000	D	11,000	2,000	S	S	D	D	S	56,000
Asian	2,053,000	1,725,000	1,543,000	182,000	554,000	29,000	312,000	55,000	677,000	98,000	102,000	226,000	35,000	D	190,000	95,000
Black or African American	1,183,000	1,032,000	920,000	112,000	111,000	11,000	179,000	26,000	630,000	76,000	88,000	62,000	6,000	D	54,000	60,000
Native Hawaiian or Other Pacific Islander	34,000	33,000	31,000	2,000	5,000	D	2,000	D	24,000	D	D	D	D	D	D	S
White	10,492,000	9,222,000	8,186,000	1,036,000	1,390,000	75,000	1,577,000	302,000	5,219,000	658,000	457,000	813,000	66,000	S	731,000	75,000
More than one race	449,000	397,000	359,000	38,000	49,000	2,000	58,000	4,000	252,000	32,000	19,000	32,000	2,000	D	31,000	85,000
Without disability	14,740,000	12,910,000	11,559,000	1,351,000	2,122,000	111,000	2,190,000	387,000	7,247,000	853,000	650,000	1,180,000	117,000	S	1,049,000	75,000
With disability	1,465,000	1,200,000	1,007,000	193,000	229,000	19,000	176,000	48,000	602,000	126,000	165,000	99,000	13,000	S	81,000	65,000
Age at onset of disability																
Since birth	218,000	197,000	165,000	32,000	39,000	S	23,000	S	103,000	20,000	8,000	13,000	S	D	5,000	64,000
1–9	289,000	199,000	151,000	48,000	44,000	7,000	26,000	S	81,000	33,000	71,000	19,000	S	D	15,000	54,000
10–19	388,000	316,000	265,000	51,000	65,000	3,000	56,000	16,000	144,000	32,000	35,000	37,000	3,000	D	31,000	66,000
20–29	345,000	294,000	266,000	28,000	45,000	S	39,000	S	182,000	18,000	28,000	24,000	S	D	23,000	75,000
30–39	225,000	194,000	160,000	34,000	37,000	S	31,000	D	92,000	23,000	25,000	S	D	D	S	58,000
40–49	13,858,000	12,125,000	10,750,000	1,374,000	1,560,000	94,000	1,982,000	300,000	7,209,000	980,000	605,000	1,129,000	45,000	76,000	1,008,000	85,000
Female	7,767,000	6,466,000	5,378,000	1,088,000	435,000	59,000	1,055,000	245,000	3,888,000	784,000	361,000	941,000	34,000	43,000	863,000	75,000
Male	6,091,000	5,659,000	5,373,000	286,000	1,125,000	34,000	926,000	55,000	3,322,000	196,000	244,000	188,000	11,000	32,000	145,000	100,000
Hispanic or Latino	1,524,000	1,325,000	1,165,000	160,000	122,000	8,000	168,000	31,000	875,000	121,000	89,000	110,000	S	3,000	102,000	80,000
Not Hispanic or Latino																
American Indian or Alaska Native	20,000	17,000	16,000	D	2,000	D	S	D	8,000	D	D	D	D	D	D	81,000
Asian	1,720,000	1,427,000	1,260,000	168,000	393,000	20,000	321,000	42,000	545,000	106,000	93,000	199,000	11,000	6,000	183,000	110,000
Black or African American	1,246,000	1,101,000	982,000	119,000	95,000	4,000	179,000	27,000	708,000	89,000	89,000	56,000	S	D	50,000	70,000
Native Hawaiian or Other Pacific Islander	63,000	56,000	55,000	S	4,000	D	29,000	D	22,000	S	D	D	D	D	D	84,000
White	8,904,000	7,889,000	7,003,000	886,000	912,000	60,000	1,238,000	188,000	4,853,000	638,000	282,000	734,000	24,000	63,000	647,000	86,000
More than one race	381,000	310,000	271,000	39,000	32,000	S	40,000	D	198,000	25,000	S	22,000	D	D	21,000	80,000

TABLE 5-1

College graduates, by age, sex, ethnicity, race, disability status, and age at onset of disability, broad occupation, labor force status, and median annual salary: 2021

(Number and dollars)

Age, sex, ethnicity, race, disability status, and age at onset of disability	Total	Employed in all occupations			Employed in S&E occupations		Employed in S&E-related occupations		Employed in non-S&E occupations		Unemployed[a]	Not in labor force[b]				Full-time employed median annual salary ($)
		Employed	Full time	Part time	Full time	Part time	Full time	Part time	Full time	Part time		Total	Student	Retired	Not seeking employment, all other reasons	
Without disability	12,246,000	10,778,000	9,561,000	1,217,000	1,397,000	83,000	1,801,000	271,000	6,363,000	864,000	522,000	946,000	41,000	63,000	842,000	88,000
With disability	1,613,000	1,347,000	1,190,000	157,000	163,000	11,000	180,000	29,000	847,000	116,000	84,000	183,000	S	12,000	167,000	75,000
Age at onset of disability																
Since birth	150,000	119,000	93,000	26,000	12,000	D	9,000	D	72,000	21,000	3,000	28,000	D	D	28,000	59,000
1–9	186,000	171,000	159,000	12,000	15,000	D	19,000	D	125,000	10,000	D	12,000	D	D	12,000	73,000
10–19	287,000	241,000	214,000	27,000	39,000	D	28,000	D	147,000	18,000	25,000	21,000	D	D	18,000	70,000
20–29	201,000	170,000	160,000	S	19,000	D	S	D	116,000	S	S	26,000	D	D	24,000	83,000
30–39	312,000	247,000	202,000	45,000	27,000	S	45,000	S	130,000	29,000	15,000	50,000	D	S	45,000	79,000
40–49	477,000	398,000	362,000	36,000	51,000	S	54,000	7,000	257,000	28,000	33,000	46,000	D	S	39,000	76,000
50–59	12,596,000	10,619,000	9,232,000	1,387,000	1,261,000	91,000	1,497,000	235,000	6,474,000	1,061,000	547,000	1,430,000	31,000	579,000	820,000	90,000
Female	6,604,000	5,300,000	4,339,000	961,000	331,000	45,000	782,000	172,000	3,226,000	745,000	292,000	1,012,000	S	372,000	614,000	75,000
Male	5,992,000	5,319,000	4,894,000	426,000	930,000	47,000	715,000	63,000	3,248,000	315,000	255,000	418,000	S	208,000	206,000	107,000
Hispanic or Latino	1,069,000	903,000	787,000	116,000	86,000	3,000	118,000	9,000	584,000	104,000	35,000	132,000	D	49,000	82,000	74,000
Not Hispanic or Latino																
American Indian or Alaska Native	46,000	37,000	33,000	S	1,000	D	3,000	D	29,000	D	S	S	D	D	D	62,000
Asian	1,199,000	961,000	841,000	120,000	218,000	18,000	188,000	27,000	435,000	75,000	81,000	157,000	D	37,000	104,000	106,000
Black or African American	1,083,000	905,000	829,000	76,000	70,000	S	146,000	8,000	614,000	62,000	80,000	98,000	D	52,000	39,000	80,000
Native Hawaiian or Other Pacific Islander	27,000	21,000	20,000	D	2,000	D	2,000	D	16,000	D	D	S	D	D	D	S
White	8,945,000	7,615,000	6,558,000	1,056,000	864,000	63,000	1,025,000	185,000	4,669,000	808,000	329,000	1,001,000	S	432,000	562,000	94,000
More than one race	227,000	179,000	165,000	14,000	20,000	S	17,000	D	128,000	9,000	S	32,000	D	S	S	90,000
Without disability	10,387,000	8,958,000	7,788,000	1,170,000	1,085,000	77,000	1,291,000	203,000	5,412,000	890,000	455,000	974,000	S	408,000	541,000	91,000
With disability	2,209,000	1,661,000	1,444,000	217,000	176,000	14,000	206,000	32,000	1,062,000	171,000	92,000	456,000	S	171,000	278,000	84,000
Age at onset of disability																
Since birth	144,000	97,000	75,000	22,000	17,000	D	10,000	D	48,000	S	17,000	30,000	D	14,000	15,000	85,000
1–9	122,000	92,000	86,000	6,000	10,000	D	16,000	D	60,000	S	D	24,000	D	S	19,000	74,000
10–19	295,000	224,000	211,000	13,000	25,000	S	39,000	S	147,000	S	S	61,000	D	23,000	36,000	89,000
20–29	162,000	104,000	83,000	20,000	12,000	D	12,000	D	59,000	20,000	S	52,000	D	10,000	42,000	85,000
30–39	215,000	168,000	147,000	21,000	17,000	S	20,000	D	110,000	14,000	5,000	42,000	D	10,000	32,000	100,000
40–49	702,000	534,000	461,000	73,000	57,000	4,000	43,000	S	361,000	63,000	29,000	139,000	D	56,000	79,000	88,000
50–59	568,000	443,000	382,000	61,000	38,000	S	66,000	19,000	277,000	37,000	17,000	108,000	D	53,000	55,000	74,000
60–75	17,096,000	7,420,000	5,018,000	2,402,000	629,000	181,000	941,000	375,000	3,449,000	1,846,000	600,000	9,075,000	34,000	8,659,000	382,000	85,000
Female	8,085,000	3,162,000	1,979,000	1,183,000	139,000	51,000	429,000	207,000	1,411,000	925,000	222,000	4,701,000	S	4,430,000	261,000	72,000
Male	9,011,000	4,259,000	3,040,000	1,219,000	490,000	129,000	512,000	168,000	2,038,000	921,000	378,000	4,374,000	23,000	4,230,000	121,000	99,000
Hispanic or Latino	888,000	408,000	314,000	94,000	31,000	7,000	72,000	13,000	211,000	73,000	54,000	426,000	D	391,000	32,000	88,000
Not Hispanic or Latino																

TABLE 5-1

College graduates, by age, sex, ethnicity, race, disability status, and age at onset of disability, broad occupation, labor force status, and median annual salary: 2021

(Number and dollars)

Age, sex, ethnicity, race, disability status, and age at onset of disability	Total	Employed in all occupations			Employed in S&E occupations		Employed in S&E-related occupations		Employed in non-S&E occupations		Unemployed[a]	Not in labor force[b]				Full-time employed median annual salary ($)
		Employed	Full time	Part time	Full time	Part time	Full time	Part time	Full time	Part time		Total	Student	Retired	Not seeking employment, all other reasons	
American Indian or Alaska Native	52,000	17,000	10,000	S	1,000	D	S	D	S	S	D	35,000	D	35,000	D	46,000
Asian	932,000	460,000	358,000	103,000	69,000	9,000	120,000	19,000	169,000	75,000	45,000	427,000	D	401,000	24,000	95,000
Black or African American	1,144,000	545,000	428,000	117,000	32,000	5,000	78,000	23,000	318,000	89,000	61,000	537,000	D	467,000	61,000	62,000
Native Hawaiian or Other Pacific Islander	28,000	S	S	D	*	D	D	D	S	D	D	11,000	D	11,000	D	S
White	13,832,000	5,896,000	3,836,000	2,060,000	489,000	157,000	663,000	314,000	2,684,000	1,589,000	418,000	7,518,000	20,000	7,233,000	264,000	88,000
More than one race	220,000	78,000	60,000	18,000	7,000	2,000	S	S	46,000	11,000	21,000	122,000	D	121,000	D	110,000
Without disability	13,246,000	6,038,000	4,146,000	1,891,000	516,000	141,000	799,000	308,000	2,832,000	1,442,000	433,000	6,776,000	27,000	6,530,000	219,000	88,000
With disability	3,849,000	1,383,000	872,000	511,000	113,000	40,000	142,000	67,000	617,000	404,000	167,000	2,299,000	D	2,129,000	164,000	75,000
Age at onset of disability																
Since birth	139,000	37,000	21,000	16,000	5,000	D	S	D	12,000	S	S	91,000	D	79,000	S	90,000
1–9	174,000	64,000	35,000	29,000	5,000	2,000	2,000	D	28,000	24,000	2,000	108,000	D	94,000	S	99,000
10–19	295,000	129,000	73,000	56,000	10,000	S	13,000	S	50,000	50,000	18,000	148,000	D	124,000	24,000	75,000
20–29	237,000	70,000	45,000	25,000	S	D	7,000	D	29,000	25,000	19,000	148,000	D	141,000	8,000	98,000
30–39	202,000	78,000	60,000	18,000	9,000	S	S	D	44,000	17,000	S	112,000	D	107,000	6,000	60,000
40–49	431,000	169,000	109,000	60,000	18,000	8,000	25,000	9,000	67,000	43,000	20,000	242,000	D	207,000	35,000	83,000
50–59	858,000	372,000	275,000	97,000	25,000	11,000	47,000	21,000	203,000	64,000	43,000	443,000	D	402,000	36,000	64,000
60–75	1,512,000	465,000	254,000	211,000	32,000	16,000	37,000	25,000	186,000	170,000	40,000	1,007,000	D	975,000	31,000	75,000

* = 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 the 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. Median annual salaries are rounded to the nearest $1,000. Full-time employed college graduates are individuals working at least 35 hours in a typical week. Hispanic or Latino may be any race; race categories exclude Hispanic origin. The National Survey of College Graduates asks the degree of difficulty—none, slight, moderate, severe, or unable to do—an individual has in seeing (with glasses), hearing (with hearing aid), walking without assistance, lifting 10 pounds, or concentrating, remembering, or making decisions. Those respondents who answered "moderate," "severe," or "unable to do" for an activity were classified as having a disability.

Source(s):

National Center for Science and Engineering Statistics, National Survey of College Graduates, 2021.

TABLE 5-2

College graduates, by broad occupation, labor force status, labor force status characteristics, sex, ethnicity, race, and disability status: 2021

(Number)

Occupation, labor force status, and labor force status characteristics	Total	Female	Male	Hispanic or Latino	Not Hispanic or Latino						Without disability	With disability
					American Indian or Alaska Native	Asian	Black or African American	Native Hawaiian or Other Pacific Islander	White	More than one race		
All occupations	67,925,000	35,839,000	32,086,000	6,532,000	188,000	6,721,000	5,260,000	162,000	47,485,000	1,576,000	57,934,000	9,991,000
Full-time employment status	44,153,000	21,594,000	22,559,000	4,608,000	107,000	4,772,000	3,618,000	128,000	29,833,000	1,087,000	39,002,000	5,151,000
Part-time employment status	7,611,000	4,899,000	2,711,000	699,000	19,000	703,000	491,000	7,000	5,540,000	151,000	6,424,000	1,187,000
Preference for full-time status												
Did not want full-time employment	5,874,000	3,855,000	2,019,000	419,000	15,000	473,000	279,000	6,000	4,570,000	112,000	5,011,000	863,000
Wanted full-time employment	1,737,000	1,044,000	693,000	280,000	5,000	230,000	212,000	2,000	969,000	39,000	1,413,000	324,000
Reason for part-time status												
Reason worked part time: did not need or want to work more hours	3,308,000	2,263,000	1,046,000	199,000	S	202,000	134,000	D	2,679,000	83,000	2,828,000	481,000
Reason worked part time: family responsibilities	2,493,000	1,942,000	551,000	260,000	S	264,000	143,000	S	1,772,000	43,000	2,191,000	302,000
Due to the coronavirus pandemic only	454,000	331,000	123,000	99,000	D	50,000	30,000	S	269,000	5,000	407,000	47,000
Unrelated to the coronavirus pandemic only	1,184,000	960,000	224,000	72,000	D	114,000	60,000	D	918,000	19,000	1,048,000	136,000
Reason worked part time: full-time job not available	1,611,000	1,037,000	574,000	206,000	10,000	164,000	140,000	1,000	1,047,000	44,000	1,337,000	274,000
Due to the coronavirus pandemic only	581,000	333,000	249,000	80,000	S	70,000	72,000	S	328,000	28,000	497,000	84,000
Unrelated to the coronavirus pandemic only	807,000	555,000	252,000	105,000	S	73,000	53,000	D	558,000	12,000	663,000	144,000
Reason worked part time: held another job	982,000	666,000	316,000	106,000	S	92,000	55,000	D	710,000	17,000	859,000	122,000
Reason worked part time: hours or work reduced	2,413,000	1,494,000	920,000	226,000	9,000	220,000	192,000	1,000	1,706,000	58,000	2,009,000	404,000
Due to the coronavirus pandemic only	1,311,000	851,000	460,000	163,000	6,000	97,000	106,000	1,000	895,000	44,000	1,088,000	223,000
Unrelated to the coronavirus pandemic only	812,000	459,000	353,000	35,000	D	87,000	39,000	D	640,000	8,000	677,000	135,000
Reason worked part time: previously retired or semiretired	1,828,000	849,000	979,000	94,000	S	67,000	92,000	D	1,554,000	13,000	1,434,000	394,000
Reason worked part time: student	762,000	462,000	299,000	107,000	S	136,000	123,000	S	372,000	21,000	632,000	130,000
Reason worked part time: other	955,000	604,000	351,000	113,000	*	132,000	82,000	D	613,000	14,000	713,000	242,000
Not working, not looking for work	13,821,000	8,173,000	5,648,000	946,000	48,000	937,000	824,000	23,000	10,810,000	233,000	10,569,000	3,252,000
Not working, looking for work	2,340,000	1,173,000	1,167,000	279,000	S	310,000	327,000	S	1,303,000	104,000	1,939,000	401,000
Reason for not working												
Reason for not working: illness or disability	1,160,000	612,000	548,000	112,000	22,000	60,000	157,000	D	761,000	48,000	273,000	887,000
Reason for not working: did not need or want to work	3,293,000	2,154,000	1,138,000	196,000	9,000	209,000	180,000	S	2,622,000	65,000	2,646,000	647,000
Reason for not working: family responsibilities	2,700,000	2,192,000	508,000	324,000	S	270,000	194,000	S	1,822,000	75,000	2,293,000	407,000
Due to the coronavirus pandemic only	661,000	510,000	151,000	136,000	S	68,000	86,000	S	355,000	12,000	537,000	124,000
Unrelated to the coronavirus pandemic only	1,592,000	1,361,000	231,000	141,000	D	147,000	66,000	D	1,189,000	48,000	1,403,000	189,000
Reason for not working: layoff from a job	2,205,000	1,081,000	1,124,000	333,000	S	249,000	277,000	S	1,275,000	56,000	1,785,000	420,000
Due to the coronavirus pandemic only	1,517,000	790,000	727,000	246,000	S	163,000	184,000	D	885,000	34,000	1,225,000	292,000
Unrelated to the coronavirus pandemic only	585,000	234,000	351,000	76,000	S	66,000	71,000	D	342,000	20,000	495,000	90,000
Reason for not working: retired	9,628,000	4,967,000	4,661,000	468,000	36,000	471,000	559,000	16,000	7,944,000	135,000	7,224,000	2,404,000
Reason for not working: student	681,000	363,000	318,000	110,000	S	110,000	62,000	D	368,000	19,000	585,000	96,000
Reason for not working: suitable job not available	1,677,000	1,015,000	662,000	168,000	S	206,000	193,000	D	986,000	111,000	1,351,000	326,000

TABLE 5-2

College graduates, by broad occupation, labor force status, labor force status characteristics, sex, ethnicity, race, and disability status: 2021

(Number)

Occupation, labor force status, and labor force status characteristics	Total	Female	Male	Hispanic or Latino	Not Hispanic or Latino						Without disability	With disability
					American Indian or Alaska Native	Asian	Black or African American	Native Hawaiian or Other Pacific Islander	White	More than one race		
Reason for not working: other	822,000	480,000	342,000	102,000	S	126,000	80,000	D	484,000	24,000	663,000	159,000
S&E occupations	9,640,000	2,908,000	6,732,000	796,000	13,000	1,939,000	464,000	21,000	6,206,000	201,000	8,407,000	1,233,000
Full-time employment status	7,230,000	1,998,000	5,232,000	636,000	9,000	1,536,000	369,000	15,000	4,505,000	161,000	6,438,000	792,000
Part-time employment status	664,000	302,000	361,000	56,000	S	129,000	30,000	S	438,000	9,000	567,000	96,000
Preference for full-time status												
Did not want full-time employment	481,000	224,000	257,000	39,000	D	77,000	15,000	D	344,000	6,000	411,000	70,000
Wanted full-time employment	183,000	79,000	104,000	17,000	D	52,000	15,000	D	94,000	3,000	157,000	26,000
Reason for part-time status												
Reason worked part time: did not need or want to work more hours	243,000	116,000	127,000	14,000	D	19,000	5,000	D	200,000	4,000	207,000	36,000
Reason worked part time: family responsibilities	164,000	110,000	54,000	17,000	D	27,000	11,000	D	107,000	2,000	139,000	26,000
Due to the coronavirus pandemic only	38,000	27,000	12,000	6,000	D	6,000	S	D	23,000	*	30,000	8,000
Unrelated to the coronavirus pandemic only	70,000	45,000	25,000	5,000	D	12,000	S	D	46,000	1,000	64,000	6,000
Reason worked part time: full-time job not available	99,000	44,000	55,000	10,000	D	19,000	7,000	D	60,000	1,000	87,000	13,000
Due to the coronavirus pandemic only	28,000	11,000	17,000	3,000	D	4,000	D	D	20,000	D	24,000	4,000
Unrelated to the coronavirus pandemic only	57,000	28,000	29,000	6,000	D	11,000	5,000	D	33,000	D	49,000	7,000
Reason worked part time: held another job	78,000	41,000	37,000	6,000	D	7,000	S	D	61,000	S	60,000	18,000
Reason worked part time: hours or work reduced	152,000	72,000	80,000	11,000	D	19,000	7,000	D	112,000	2,000	129,000	24,000
Due to the coronavirus pandemic only	84,000	41,000	43,000	6,000	D	8,000	5,000	D	63,000	*	73,000	10,000
Unrelated to the coronavirus pandemic only	48,000	21,000	26,000	3,000	D	5,000	S	D	37,000	S	37,000	11,000
Reason worked part time: previously retired or semiretired	146,000	35,000	111,000	4,000	D	8,000	4,000	D	128,000	2,000	115,000	31,000
Reason worked part time: student	182,000	82,000	100,000	29,000	D	59,000	10,000	D	79,000	4,000	158,000	24,000
Reason worked part time: other	89,000	38,000	50,000	6,000	D	29,000	5,000	D	46,000	2,000	77,000	12,000
Not working, not looking for work	1,472,000	521,000	951,000	78,000	3,000	205,000	47,000	4,000	1,109,000	26,000	1,179,000	293,000
Not working, looking for work	275,000	87,000	188,000	26,000	D	70,000	18,000	D	154,000	6,000	222,000	52,000
Reason for not working												
Reason for not working: illness or disability	114,000	44,000	69,000	S	D	14,000	5,000	D	79,000	7,000	20,000	94,000
Reason for not working: did not need or want to work	293,000	119,000	174,000	23,000	S	33,000	18,000	D	208,000	9,000	237,000	56,000
Reason for not working: family responsibilities	212,000	138,000	74,000	32,000	D	48,000	12,000	D	112,000	6,000	175,000	37,000
Due to the coronavirus pandemic only	54,000	24,000	30,000	10,000	D	16,000	S	D	21,000	S	40,000	14,000
Unrelated to the coronavirus pandemic only	130,000	98,000	32,000	19,000	D	28,000	S	D	73,000	S	113,000	17,000
Reason for not working: layoff from a job	231,000	66,000	165,000	16,000	D	55,000	17,000	D	136,000	5,000	204,000	26,000
Due to the coronavirus pandemic only	121,000	32,000	88,000	11,000	D	34,000	12,000	D	62,000	S	108,000	13,000
Unrelated to the coronavirus pandemic only	97,000	29,000	68,000	5,000	D	15,000	5,000	D	68,000	S	86,000	11,000
Reason for not working: retired	1,057,000	300,000	757,000	36,000	2,000	89,000	27,000	3,000	882,000	19,000	827,000	230,000
Reason for not working: student	89,000	37,000	52,000	8,000	D	32,000	4,000	D	41,000	3,000	81,000	8,000

TABLE 5-2

College graduates, by broad occupation, labor force status, labor force status characteristics, sex, ethnicity, race, and disability status: 2021

(Number)

Occupation, labor force status, and labor force status characteristics	Total	Female	Male	Hispanic or Latino	Not Hispanic or Latino						Without disability	With disability
					American Indian or Alaska Native	Asian	Black or African American	Native Hawaiian or Other Pacific Islander	White	More than one race		
Reason for not working: suitable job not available	186,000	61,000	125,000	23,000	D	46,000	9,000	D	99,000	9,000	146,000	40,000
Reason for not working: other	107,000	42,000	65,000	9,000	D	39,000	6,000	D	51,000	D	88,000	19,000
S&E-related occupations	11,936,000	6,996,000	4,940,000	1,006,000	30,000	1,484,000	884,000	43,000	8,253,000	236,000	10,402,000	1,534,000
Full-time employment status	7,975,000	4,380,000	3,595,000	712,000	20,000	1,085,000	658,000	35,000	5,311,000	153,000	7,179,000	795,000
Part-time employment status	1,547,000	1,114,000	433,000	131,000	S	179,000	98,000	D	1,101,000	36,000	1,355,000	192,000
Preference for full-time status												
Did not want full-time employment	1,292,000	948,000	344,000	97,000	D	142,000	62,000	D	968,000	22,000	1,153,000	139,000
Wanted full-time employment	255,000	166,000	89,000	34,000	D	36,000	36,000	D	132,000	S	202,000	53,000
Reason for part-time status												
Reason worked part time: did not need or want to work more hours	754,000	584,000	170,000	48,000	D	55,000	37,000	D	598,000	17,000	673,000	81,000
Reason worked part time: family responsibilities	614,000	517,000	97,000	58,000	D	60,000	38,000	D	446,000	12,000	553,000	61,000
Due to the coronavirus pandemic only	87,000	72,000	14,000	16,000	D	12,000	8,000	D	49,000	D	79,000	7,000
Unrelated to the coronavirus pandemic only	308,000	282,000	26,000	15,000	D	28,000	20,000	D	244,000	S	285,000	23,000
Reason worked part time: full-time job not available	218,000	149,000	69,000	28,000	D	22,000	18,000	D	135,000	S	186,000	32,000
Due to the coronavirus pandemic only	90,000	55,000	35,000	7,000	D	12,000	S	D	51,000	S	79,000	11,000
Unrelated to the coronavirus pandemic only	104,000	75,000	28,000	18,000	D	8,000	S	D	65,000	S	87,000	17,000
Reason worked part time: held another job	180,000	127,000	53,000	17,000	D	31,000	10,000	D	119,000	2,000	150,000	30,000
Reason worked part time: hours or work reduced	541,000	386,000	156,000	49,000	D	65,000	44,000	D	359,000	22,000	469,000	72,000
Due to the coronavirus pandemic only	261,000	193,000	68,000	36,000	D	23,000	15,000	D	167,000	S	221,000	40,000
Unrelated to the coronavirus pandemic only	222,000	156,000	66,000	9,000	D	41,000	20,000	D	149,000	S	194,000	28,000
Reason worked part time: previously retired or semiretired	253,000	130,000	123,000	11,000	D	10,000	14,000	D	218,000	D	209,000	44,000
Reason worked part time: student	161,000	112,000	49,000	22,000	D	31,000	24,000	D	75,000	8,000	140,000	21,000
Reason worked part time: other	162,000	101,000	62,000	19,000	D	32,000	S	D	90,000	S	134,000	28,000
Not working, not looking for work	2,190,000	1,365,000	825,000	126,000	7,000	185,000	100,000	S	1,732,000	36,000	1,685,000	505,000
Not working, looking for work	224,000	137,000	87,000	37,000	D	35,000	28,000	D	109,000	10,000	182,000	42,000
Reason for not working												
Reason for not working: illness or disability	196,000	120,000	75,000	16,000	D	11,000	24,000	D	141,000	D	73,000	123,000
Reason for not working: did not need or want to work	470,000	321,000	149,000	17,000	D	39,000	25,000	D	377,000	11,000	373,000	97,000
Reason for not working: family responsibilities	362,000	317,000	46,000	25,000	D	43,000	16,000	D	268,000	S	319,000	43,000
Due to the coronavirus pandemic only	80,000	65,000	15,000	9,000	D	9,000	S	D	55,000	S	69,000	11,000
Unrelated to the coronavirus pandemic only	233,000	211,000	22,000	12,000	D	27,000	3,000	D	191,000	1,000	211,000	22,000
Reason for not working: layoff from a job	200,000	115,000	85,000	31,000	D	30,000	31,000	D	101,000	4,000	157,000	43,000
Due to the coronavirus pandemic only	139,000	94,000	46,000	S	D	16,000	28,000	D	68,000	D	112,000	28,000
Unrelated to the coronavirus pandemic only	46,000	15,000	31,000	2,000	D	8,000	S	D	32,000	S	35,000	12,000
Reason for not working: retired	1,537,000	844,000	694,000	68,000	5,000	90,000	63,000	S	1,281,000	28,000	1,153,000	384,000

TABLE 5-2

College graduates, by broad occupation, labor force status, labor force status characteristics, sex, ethnicity, race, and disability status: 2021

(Number)

Occupation, labor force status, and labor force status characteristics	Total	Female	Male	Hispanic or Latino	Not Hispanic or Latino						Without disability	With disability
					American Indian or Alaska Native	Asian	Black or African American	Native Hawaiian or Other Pacific Islander	White	More than one race		
Reason for not working: student	186,000	112,000	74,000	31,000	D	36,000	12,000	D	102,000	5,000	168,000	18,000
Reason for not working: suitable job not available	168,000	116,000	53,000	S	D	19,000	19,000	D	91,000	13,000	132,000	37,000
Reason for not working: other	118,000	88,000	29,000	15,000	D	29,000	S	D	63,000	S	101,000	17,000
Non-S&E occupations	46,349,000	25,935,000	20,414,000	4,731,000	144,000	3,298,000	3,912,000	99,000	33,027,000	1,139,000	39,126,000	7,223,000
Full-time employment status	28,948,000	15,216,000	13,732,000	3,260,000	78,000	2,151,000	2,592,000	78,000	20,017,000	773,000	25,384,000	3,564,000
Part-time employment status	5,400,000	3,483,000	1,917,000	512,000	16,000	395,000	363,000	5,000	4,001,000	107,000	4,502,000	898,000
Preference for full-time status												
Did not want full-time employment	4,101,000	2,683,000	1,418,000	283,000	14,000	254,000	202,000	S	3,258,000	84,000	3,447,000	653,000
Wanted full-time employment	1,300,000	800,000	499,000	229,000	S	141,000	161,000	1,000	743,000	23,000	1,055,000	245,000
Reason for part-time status												
Reason worked part time: did not need or want to work more hours	2,311,000	1,563,000	748,000	136,000	S	128,000	92,000	D	1,881,000	62,000	1,948,000	363,000
Reason worked part time: family responsibilities	1,715,000	1,315,000	400,000	185,000	S	177,000	94,000	S	1,218,000	30,000	1,499,000	216,000
Due to the coronavirus pandemic only	329,000	232,000	97,000	77,000	D	31,000	20,000	D	197,000	3,000	297,000	32,000
Unrelated to the coronavirus pandemic only	806,000	633,000	173,000	52,000	D	74,000	33,000	D	627,000	17,000	699,000	107,000
Reason worked part time: full-time job not available	1,294,000	843,000	450,000	168,000	S	123,000	114,000	S	851,000	30,000	1,064,000	230,000
Due to the coronavirus pandemic only	463,000	267,000	196,000	70,000	D	53,000	65,000	S	257,000	17,000	394,000	69,000
Unrelated to the coronavirus pandemic only	646,000	452,000	195,000	80,000	S	54,000	39,000	D	460,000	9,000	526,000	120,000
Reason worked part time: held another job	724,000	498,000	226,000	82,000	S	55,000	43,000	D	530,000	13,000	649,000	75,000
Reason worked part time: hours or work reduced	1,720,000	1,036,000	684,000	167,000	6,000	136,000	141,000	1,000	1,235,000	35,000	1,412,000	308,000
Due to the coronavirus pandemic only	967,000	618,000	349,000	121,000	3,000	65,000	86,000	1,000	664,000	26,000	793,000	173,000
Unrelated to the coronavirus pandemic only	543,000	282,000	261,000	23,000	D	41,000	18,000	D	453,000	5,000	447,000	96,000
Reason worked part time: previously retired or semiretired	1,429,000	684,000	745,000	79,000	D	49,000	74,000	D	1,208,000	11,000	1,110,000	319,000
Reason worked part time: student	418,000	268,000	150,000	57,000	S	46,000	88,000	D	217,000	9,000	334,000	84,000
Reason worked part time: other	705,000	465,000	239,000	89,000	D	71,000	59,000	D	477,000	7,000	502,000	203,000
Not working, not looking for work	10,159,000	6,287,000	3,872,000	742,000	38,000	547,000	677,000	14,000	7,969,000	171,000	7,705,000	2,454,000
Not working, looking for work	1,841,000	949,000	892,000	216,000	S	204,000	280,000	D	1,039,000	88,000	1,534,000	307,000
Reason for not working												
Reason for not working: illness or disability	851,000	447,000	404,000	87,000	19,000	35,000	128,000	D	542,000	40,000	181,000	670,000
Reason for not working: did not need or want to work	2,530,000	1,715,000	815,000	156,000	S	137,000	138,000	D	2,037,000	46,000	2,036,000	494,000
Reason for not working: family responsibilities	2,125,000	1,736,000	389,000	266,000	S	178,000	166,000	D	1,442,000	62,000	1,799,000	326,000
Due to the coronavirus pandemic only	527,000	421,000	107,000	117,000	D	43,000	79,000	D	279,000	7,000	428,000	99,000
Unrelated to the coronavirus pandemic only	1,229,000	1,052,000	177,000	110,000	D	92,000	57,000	D	925,000	44,000	1,079,000	150,000
Reason for not working: layoff from a job	1,775,000	900,000	875,000	286,000	S	164,000	229,000	D	1,037,000	47,000	1,424,000	351,000
Due to the coronavirus pandemic only	1,257,000	664,000	593,000	211,000	D	113,000	145,000	D	754,000	31,000	1,005,000	252,000
Unrelated to the coronavirus pandemic only	441,000	190,000	251,000	69,000	D	43,000	65,000	D	242,000	14,000	374,000	67,000

TABLE 5-2

College graduates, by broad occupation, labor force status, labor force status characteristics, sex, ethnicity, race, and disability status: 2021

(Number)

Occupation, labor force status, and labor force status characteristics	Total	Female	Male	Hispanic or Latino	Not Hispanic or Latino						Without disability	With disability
					American Indian or Alaska Native	Asian	Black or African American	Native Hawaiian or Other Pacific Islander	White	More than one race		
Reason for not working: retired	7,034,000	3,823,000	3,210,000	364,000	30,000	292,000	469,000	S	5,781,000	88,000	5,244,000	1,790,000
Reason for not working: student	406,000	214,000	192,000	71,000	D	42,000	47,000	D	225,000	12,000	336,000	70,000
Reason for not working: suitable job not available	1,323,000	838,000	485,000	120,000	S	141,000	165,000	D	796,000	89,000	1,074,000	249,000
Reason for not working: other	598,000	350,000	248,000	78,000	D	58,000	67,000	D	370,000	19,000	474,000	123,000

* = 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. This table does not include individuals who have never worked for pay or profit. If respondent was not employed during survey reference period, occupation when last employed was reported. All individuals who report working part time, regardless of their preference for working part time, are asked their reasons for working part time. Full-time employed college graduates are individuals working at least 35 hours in a typical week. All individuals who report not working, regardless of if they are looking for work, are asked their reasons for not working. Hispanic or Latino may be any race; race categories exclude Hispanic origin. The National Survey of College Graduates asks the degree of difficulty—none, slight, moderate, severe, or unable to do—an individual has in seeing (with glasses), hearing (with hearing aid), walking without assistance, lifting 10 pounds, or concentrating, remembering, or making decisions. Those respondents who answered "moderate," "severe," or "unable to do" for an activity were classified as having a disability.

Source(s):
National Center for Science and Engineering Statistics, National Survey of College Graduates, 2021.

TABLE 5-3

College graduates, by broad field of highest degree, father's education, mother's education, level of highest degree, and median amount borrowed to finance undergraduate degree: 2021

(Number)

Field of highest degree, father's education, and mother's education	Bachelor's						Master's						Doctorate						Professional					
	Total	$0	$1–$10,000	$10,001–$20,000	$20,001–$30,000	$30,001 and over	Total	$0	$1–$10,000	$10,001–$20,000	$20,001–$30,000	$30,001 and over	Total	$0	$1–$10,000	$10,001–$20,000	$20,001–$30,000	$30,001 and over	Total	$0	$1–$10,000	$10,001–$20,000	$20,001–$30,000	$30,001 and over
All fields	42,870,000	18,629,000	5,614,000	4,996,000	4,439,000	9,192,000	19,296,000	7,643,000	2,447,000	1,834,000	1,377,000	3,299,000	2,643,000	1,320,000	348,000	175,000	134,000	241,000	3,784,000	1,592,000	394,000	345,000	249,000	556,000
Father's education																								
Less than high school completed	5,676,000	2,504,000	960,000	737,000	543,000	933,000	2,593,000	1,001,000	418,000	265,000	159,000	343,000	341,000	153,000	57,000	21,000	16,000	26,000	307,000	109,000	42,000	22,000	19,000	49,000
High school diploma or equivalent	11,006,000	4,286,000	1,562,000	1,290,000	1,249,000	2,619,000	4,406,000	1,441,000	600,000	451,000	346,000	906,000	504,000	223,000	72,000	42,000	40,000	50,000	634,000	177,000	71,000	66,000	80,000	105,000
Some college, vocational, or trade school (including 2-year degrees)	8,194,000	3,034,000	1,167,000	1,025,000	982,000	1,986,000	3,459,000	1,172,000	425,000	374,000	370,000	706,000	396,000	173,000	54,000	42,000	10,000	47,000	573,000	195,000	99,000	91,000	26,000	94,000
Bachelor's degree (e.g., BS, BA, AB)	9,354,000	4,531,000	1,056,000	1,054,000	891,000	1,822,000	4,028,000	1,816,000	500,000	332,000	234,000	590,000	596,000	323,000	79,000	27,000	31,000	50,000	822,000	346,000	82,000	69,000	60,000	151,000
Master's degree (e.g., MS, MA, MBA)	4,477,000	2,095,000	496,000	501,000	458,000	927,000	2,499,000	1,098,000	251,000	239,000	142,000	412,000	343,000	178,000	37,000	18,000	22,000	33,000	488,000	214,000	52,000	29,000	23,000	79,000
Professional degree (e.g., JD, LLB, MD, DDS)	1,644,000	1,058,000	108,000	111,000	91,000	276,000	954,000	552,000	78,000	55,000	56,000	88,000	200,000	126,000	16,000	9,000	6,000	13,000	592,000	378,000	25,000	31,000	19,000	40,000
Doctorate (e.g., PhD, DSc, EdD)	1,283,000	692,000	133,000	140,000	99,000	219,000	907,000	454,000	127,000	69,000	36,000	130,000	225,000	132,000	29,000	11,000	9,000	18,000	293,000	146,000	21,000	37,000	19,000	28,000
Not applicable	1,235,000	427,000	134,000	138,000	127,000	409,000	450,000	109,000	47,000	49,000	34,000	125,000	37,000	12,000	3,000	4,000	S	S	75,000	28,000	S	D	D	10,000
Mother's education																								
Less than high school completed	5,447,000	2,467,000	932,000	671,000	433,000	945,000	2,422,000	971,000	379,000	221,000	150,000	288,000	380,000	193,000	50,000	22,000	13,000	24,000	342,000	120,000	30,000	17,000	30,000	51,000
High school diploma or equivalent	12,915,000	5,422,000	1,994,000	1,520,000	1,402,000	2,577,000	5,413,000	1,987,000	741,000	562,000	392,000	948,000	622,000	274,000	97,000	51,000	30,000	45,000	792,000	229,000	139,000	93,000	75,000	130,000
Some college, vocational, or trade school (including 2-year degrees)	9,601,000	3,663,000	1,288,000	1,193,000	1,105,000	2,352,000	4,159,000	1,540,000	574,000	437,000	372,000	797,000	489,000	226,000	70,000	37,000	37,000	59,000	789,000	312,000	87,000	86,000	52,000	126,000
Bachelor's degree (e.g., BS, BA, AB)	9,588,000	4,626,000	911,000	1,052,000	951,000	2,048,000	3,999,000	1,759,000	424,000	340,000	238,000	675,000	572,000	313,000	64,000	30,000	29,000	54,000	1,020,000	502,000	60,000	105,000	63,000	130,000
Master's degree (e.g., MS, MA, MBA)	3,723,000	1,696,000	350,000	413,000	386,000	877,000	2,462,000	1,016,000	260,000	208,000	186,000	456,000	393,000	210,000	50,000	27,000	19,000	40,000	521,000	265,000	64,000	33,000	17,000	93,000
Professional degree (e.g., JD, LLB, MD, DDS)	511,000	275,000	44,000	33,000	52,000	105,000	273,000	148,000	27,000	17,000	13,000	40,000	80,000	44,000	6,000	4,000	3,000	8,000	172,000	78,000	12,000	7,000	S	10,000
Doctorate (e.g., PhD, DSc, EdD)	389,000	193,000	25,000	30,000	41,000	99,000	308,000	132,000	28,000	24,000	19,000	37,000	81,000	48,000	S	3,000	3,000	8,000	103,000	71,000	D	S	S	9,000
Not applicable	697,000	287,000	69,000	83,000	69,000	189,000	261,000	91,000	12,000	27,000	7,000	57,000	27,000	13,000	1,000	S	D	S	44,000	16,000	D	D	D	D
S&E fields	15,014,000	6,593,000	1,912,000	1,822,000	1,488,000	3,199,000	4,703,000	2,013,000	523,000	416,000	311,000	647,000	1,582,000	860,000	184,000	92,000	73,000	110,000	58,000	25,000	3,000	5,000	5,000	17,000
Father's education																								
Less than high school completed	1,884,000	817,000	341,000	253,000	172,000	301,000	535,000	221,000	78,000	46,000	38,000	56,000	198,000	102,000	26,000	8,000	10,000	8,000	15,000	3,000	S	*	D	S
High school diploma or equivalent	3,560,000	1,409,000	507,000	448,000	375,000	821,000	927,000	316,000	121,000	100,000	66,000	153,000	256,000	119,000	35,000	19,000	17,000	20,000	9,000	S	S	D	D	1,000
Some college, vocational, or trade school (including 2-year degrees)	2,757,000	1,014,000	385,000	384,000	299,000	675,000	758,000	272,000	96,000	66,000	71,000	141,000	205,000	109,000	20,000	18,000	5,000	21,000	8,000	3,000	1,000	D	D	S
Bachelor's degree (e.g., BS, BA, AB)	3,485,000	1,681,000	373,000	379,000	344,000	708,000	1,198,000	576,000	130,000	84,000	67,000	148,000	397,000	228,000	51,000	17,000	14,000	25,000	10,000	7,000	D	D	D	2,000
Master's degree (e.g., MS, MA, MBA)	1,742,000	815,000	173,000	196,000	172,000	388,000	657,000	298,000	55,000	76,000	34,000	78,000	233,000	125,000	25,000	11,000	15,000	20,000	8,000	4,000	D	D	D	2,000
Professional degree (e.g., JD, LLB, MD, DDS)	625,000	401,000	52,000	44,000	39,000	89,000	252,000	148,000	17,000	16,000	10,000	23,000	128,000	84,000	10,000	8,000	5,000	7,000	3,000	2,000	D	D	D	D
Doctorate (e.g., PhD, DSc, EdD)	556,000	299,000	47,000	66,000	47,000	98,000	283,000	159,000	22,000	20,000	17,000	32,000	149,000	88,000	16,000	8,000	8,000	9,000	3,000	S	D	D	D	D
Not applicable	406,000	158,000	35,000	53,000	40,000	119,000	91,000	23,000	4,000	8,000	8,000	16,000	17,000	6,000	2,000	S	D	S	D	D	D	D	D	D
Mother's education																								
Less than high school completed	1,817,000	831,000	289,000	231,000	164,000	302,000	630,000	263,000	77,000	46,000	38,000	60,000	227,000	128,000	29,000	7,000	5,000	8,000	14,000	2,000	S	D	D	S
High school diploma or equivalent	4,069,000	1,703,000	677,000	523,000	388,000	777,000	1,151,000	482,000	152,000	96,000	70,000	159,000	355,000	173,000	48,000	24,000	14,000	27,000	14,000	6,000	1,000	D	D	2,000
Some college, vocational, or trade school (including 2-year degrees)	3,385,000	1,260,000	410,000	414,000	401,000	900,000	909,000	319,000	117,000	104,000	84,000	160,000	280,000	146,000	32,000	21,000	19,000	26,000	14,000	7,000	D	D	D	S
Bachelor's degree (e.g., BS, BA, AB)	3,472,000	1,679,000	345,000	414,000	322,000	711,000	1,100,000	529,000	110,000	89,000	59,000	148,000	371,000	215,000	37,000	17,000	18,000	29,000	11,000	7,000	D	D	D	2,000
Master's degree (e.g., MS, MA, MBA)	1,569,000	738,000	137,000	180,000	161,000	354,000	661,000	298,000	56,000	57,000	44,000	94,000	230,000	125,000	32,000	16,000	13,000	15,000	4,000	2,000	D	D	D	1,000

TABLE 5-3

College graduates, by broad field of highest degree, father's education, mother's education, level of highest degree, and median amount borrowed to finance undergraduate degree: 2021

(Number)

Field of highest degree, father's education, and mother's education	Bachelor's						Master's						Doctorate						Professional					
	Total	$0	$1–$10,000	$10,001–$20,000	$20,001–$30,000	$30,001 and over	Total	$0	$1–$10,000	$10,001–$20,000	$20,001–$30,000	$30,001 and over	Total	$0	$1–$10,000	$10,001–$20,000	$20,001–$30,000	$30,001 and over	Total	$0	$1–$10,000	$10,001–$20,000	$20,001–$30,000	$30,001 and over
Professional degree (e.g., JD, LLB, MD, DDS)	240,000	154,000	13,000	16,000	15,000	42,000	93,000	54,000	4,000	7,000	5,000	11,000	53,000	33,000	2,000	4,000	2,000	S	S	D	D	D	D	D
Doctorate (e.g., PhD, DSc, EdD)	202,000	100,000	12,000	18,000	13,000	58,000	85,000	43,000	5,000	8,000	6,000	7,000	51,000	34,000	3,000	2,000	1,000	2,000	D	D	D	D	D	D
Not applicable	260,000	127,000	29,000	26,000	23,000	55,000	74,000	25,000	S	9,000	S	8,000	15,000	7,000	1,000	S	D	D	D	D	D	D	D	D
S&E-related fields	5,017,000	2,084,000	631,000	534,000	522,000	1,246,000	2,644,000	958,000	289,000	239,000	219,000	521,000	355,000	133,000	47,000	19,000	31,000	53,000	1,825,000	699,000	160,000	115,000	83,000	285,000
Father's education																								
Less than high school completed	745,000	314,000	106,000	69,000	89,000	168,000	353,000	114,000	67,000	33,000	25,000	66,000	36,000	13,000	4,000	S	S	S	147,000	60,000	21,000	4,000	S	12,000
High school diploma or equivalent	1,336,000	490,000	193,000	156,000	135,000	362,000	620,000	185,000	60,000	58,000	57,000	164,000	97,000	42,000	10,000	S	12,000	17,000	294,000	61,000	30,000	27,000	26,000	62,000
Some college, vocational, or trade school (including 2-year degrees)	1,017,000	355,000	143,000	112,000	114,000	293,000	483,000	156,000	65,000	39,000	56,000	92,000	52,000	9,000	7,000	2,000	3,000	11,000	225,000	62,000	33,000	28,000	S	42,000
Bachelor's degree (e.g., BS, BA, AB)	1,128,000	522,000	114,000	110,000	124,000	257,000	541,000	218,000	48,000	50,000	35,000	96,000	84,000	31,000	13,000	5,000	S	12,000	387,000	145,000	35,000	19,000	18,000	73,000
Master's degree (e.g., MS, MA, MBA)	367,000	187,000	35,000	42,000	29,000	75,000	333,000	132,000	31,000	34,000	25,000	54,000	37,000	16,000	5,000	S	S	S	250,000	94,000	16,000	S	11,000	47,000
Professional degree (e.g., JD, LLB, MD, DDS)	183,000	120,000	7,000	19,000	14,000	24,000	155,000	85,000	10,000	14,000	S	16,000	21,000	11,000	S	D	D	S	320,000	202,000	14,000	10,000	S	23,000
Doctorate (e.g., PhD, DSc, EdD)	102,000	51,000	25,000	S	4,000	17,000	105,000	51,000	6,000	10,000	5,000	20,000	24,000	10,000	D	D	D	S	152,000	60,000	11,000	16,000	D	20,000
Not applicable	138,000	45,000	9,000	21,000	14,000	49,000	54,000	16,000	3,000	1,000	10,000	13,000	2,000	*	D	D	D	D	50,000	16,000	D	D	D	D
Mother's education																								
Less than high school completed	716,000	311,000	91,000	77,000	69,000	166,000	311,000	103,000	44,000	19,000	26,000	67,000	47,000	21,000	4,000	S	S	6,000	174,000	65,000	15,000	S	S	16,000
High school diploma or equivalent	1,525,000	609,000	242,000	174,000	184,000	317,000	737,000	246,000	90,000	86,000	57,000	149,000	88,000	33,000	15,000	4,000	S	9,000	362,000	96,000	51,000	37,000	33,000	76,000
Some college, vocational, or trade school (including 2-year degrees)	1,143,000	415,000	167,000	114,000	113,000	333,000	591,000	216,000	59,000	51,000	73,000	114,000	66,000	17,000	7,000	S	10,000	13,000	362,000	102,000	44,000	33,000	18,000	65,000
Bachelor's degree (e.g., BS, BA, AB)	1,098,000	496,000	85,000	113,000	121,000	283,000	558,000	197,000	47,000	56,000	40,000	102,000	70,000	31,000	7,000	5,000	3,000	7,000	477,000	246,000	20,000	19,000	18,000	57,000
Master's degree (e.g., MS, MA, MBA)	356,000	178,000	31,000	31,000	26,000	89,000	336,000	147,000	40,000	19,000	20,000	67,000	57,000	24,000	S	3,000	S	11,000	262,000	118,000	24,000	16,000	S	54,000
Professional degree (e.g., JD, LLB, MD, DDS)	60,000	31,000	D	7,000	S	17,000	37,000	14,000	S	3,000	1,000	11,000	10,000	S	D	D	D	S	106,000	34,000	D	D	D	S
Doctorate (e.g., PhD, DSc, EdD)	22,000	5,000	S	S	D	7,000	31,000	14,000	S	S	D	7,000	16,000	5,000	D	D	D	S	50,000	33,000	D	D	D	S
Not applicable	99,000	37,000	8,000	15,000	S	35,000	43,000	21,000	S	D	D	S	2,000	*	D	D	D	D	31,000	4,000	D	D	D	D
Non-S&E fields	22,838,000	9,952,000	3,071,000	2,640,000	2,429,000	4,746,000	11,950,000	4,672,000	1,635,000	1,179,000	847,000	2,132,000	707,000	328,000	117,000	64,000	30,000	77,000	1,900,000	868,000	230,000	225,000	160,000	254,000
Father's education																								
Less than high school completed	3,047,000	1,374,000	513,000	415,000	282,000	463,000	1,705,000	666,000	274,000	186,000	96,000	221,000	107,000	37,000	27,000	10,000	5,000	12,000	146,000	47,000	20,000	17,000	S	30,000
High school diploma or equivalent	6,110,000	2,388,000	862,000	686,000	740,000	1,436,000	2,859,000	941,000	419,000	292,000	224,000	589,000	151,000	62,000	28,000	17,000	12,000	14,000	330,000	112,000	40,000	36,000	54,000	42,000
Some college, vocational, or trade school (including 2-year degrees)	4,420,000	1,665,000	639,000	529,000	568,000	1,019,000	2,218,000	744,000	265,000	269,000	243,000	473,000	139,000	56,000	27,000	22,000	2,000	16,000	339,000	129,000	65,000	63,000	17,000	48,000
Bachelor's degree (e.g., BS, BA, AB)	4,741,000	2,328,000	568,000	565,000	423,000	857,000	2,289,000	1,022,000	321,000	199,000	132,000	346,000	115,000	65,000	14,000	5,000	6,000	13,000	424,000	194,000	47,000	49,000	42,000	76,000
Master's degree (e.g., MS, MA, MBA)	2,368,000	1,094,000	288,000	264,000	257,000	465,000	1,509,000	668,000	165,000	128,000	83,000	280,000	73,000	37,000	7,000	5,000	3,000	9,000	230,000	116,000	36,000	17,000	11,000	30,000
Professional degree (e.g., JD, LLB, MD, DDS)	836,000	538,000	49,000	48,000	38,000	163,000	547,000	318,000	51,000	25,000	39,000	49,000	51,000	31,000	S	S	S	6,000	269,000	174,000	11,000	21,000	13,000	16,000
Doctorate (e.g., PhD, DSc, EdD)	624,000	342,000	61,000	69,000	48,000	104,000	519,000	244,000	99,000	40,000	13,000	78,000	52,000	34,000	7,000	S	D	S	138,000	84,000	10,000	21,000	S	S
Not applicable	692,000	223,000	90,000	64,000	73,000	241,000	304,000	69,000	40,000	40,000	17,000	96,000	18,000	6,000	D	D	D	D	23,000	13,000	D	D	D	S
Mother's education																								
Less than high school completed	2,914,000	1,325,000	552,000	362,000	199,000	476,000	1,481,000	605,000	258,000	155,000	87,000	161,000	106,000	44,000	17,000	14,000	4,000	10,000	154,000	53,000	14,000	11,000	20,000	28,000
High school diploma or equivalent	7,321,000	3,109,000	1,075,000	823,000	830,000	1,483,000	3,525,000	1,259,000	499,000	379,000	265,000	640,000	179,000	69,000	34,000	23,000	7,000	9,000	416,000	126,000	87,000	54,000	41,000	52,000

TABLE 5-3

College graduates, by broad field of highest degree, father's education, mother's education, level of highest degree, and median amount borrowed to finance undergraduate degree: 2021

(Number)

Field of highest degree, father's education, and mother's education	Bachelor's						Master's						Doctorate						Professional					
	Total	$0	$1–$10,000	$10,001–$20,000	$20,001–$30,000	$30,001 and over	Total	$0	$1–$10,000	$10,001–$20,000	$20,001–$30,000	$30,001 and over	Total	$0	$1–$10,000	$10,001–$20,000	$20,001–$30,000	$30,001 and over	Total	$0	$1–$10,000	$10,001–$20,000	$20,001–$30,000	$30,001 and over
Some college, vocational, or trade school (including 2-year degrees)	5,073,000	1,987,000	711,000	665,000	590,000	1,119,000	2,660,000	1,005,000	399,000	282,000	214,000	523,000	143,000	63,000	31,000	11,000	8,000	21,000	413,000	203,000	44,000	53,000	33,000	57,000
Bachelor's degree (e.g., BS, BA, AB)	5,018,000	2,450,000	481,000	525,000	508,000	1,054,000	2,341,000	1,033,000	267,000	195,000	139,000	425,000	132,000	66,000	20,000	8,000	8,000	18,000	532,000	249,000	40,000	86,000	45,000	72,000
Master's degree (e.g., MS, MA, MBA)	1,799,000	780,000	182,000	203,000	199,000	435,000	1,464,000	571,000	164,000	132,000	122,000	296,000	106,000	61,000	10,000	7,000	2,000	14,000	255,000	144,000	40,000	17,000	13,000	38,000
Professional degree (e.g., JD, LLB, MD, DDS)	211,000	90,000	30,000	S	34,000	S	143,000	81,000	22,000	S	S	18,000	17,000	9,000	D	D	D	D	65,000	43,000	D	5,000	S	2,000
Doctorate (e.g., PhD, DSc, EdD)	165,000	88,000	D	9,000	27,000	34,000	192,000	74,000	21,000	11,000	S	23,000	15,000	9,000	D	D	S	D	52,000	38,000	D	D	S	S
Not applicable	337,000	123,000	32,000	42,000	41,000	99,000	144,000	44,000	6,000	18,000	S	45,000	11,000	6,000	D	D	D	D	13,000	D	D	D	D	D

* = 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. Totals for master's, doctorate, and professional highest degree earners include individuals who did not earn an undergraduate degree. These are primarily individuals who earned a first degree at an international institution for which the award is not counted as an undergraduate award by U.S. standards.

Source(s):
National Center for Science and Engineering Statistics, National Survey of College Graduates, 2021.

TABLE 5-4

Employed college graduates, by nativity, level of highest degree, major occupation, and employment sector: 2021

(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	51,764,000	36,346,000	3,342,000	6,637,000	5,439,000
S&E occupations	7,894,000	5,804,000	1,047,000	206,000	836,000
Biological, agricultural, and other life scientists	794,000	345,000	298,000	25,000	126,000
Computer and mathematical scientists	4,031,000	3,432,000	236,000	95,000	268,000
Physical and related scientists	408,000	169,000	130,000	10,000	99,000
Social and related scientists	712,000	257,000	270,000	71,000	114,000
Engineers	1,949,000	1,600,000	114,000	5,000	229,000
S&E-related occupations	9,522,000	6,903,000	724,000	1,159,000	736,000
Non-S&E occupations	34,349,000	23,640,000	1,570,000	5,272,000	3,867,000
Bachelor's	31,688,000	24,232,000	1,161,000	3,044,000	3,252,000
S&E occupations	4,438,000	3,635,000	293,000	66,000	444,000
Biological, agricultural, and other life scientists	295,000	147,000	88,000	2,000	57,000
Computer and mathematical scientists	2,574,000	2,278,000	88,000	48,000	159,000
Physical and related scientists	177,000	87,000	33,000	S	53,000
Social and related scientists	170,000	74,000	54,000	9,000	33,000
Engineers	1,222,000	1,049,000	30,000	2,000	141,000
S&E-related occupations	5,031,000	3,901,000	252,000	497,000	382,000
Non-S&E occupations	22,219,000	16,696,000	615,000	2,481,000	2,426,000
Master's	14,688,000	8,660,000	1,092,000	3,354,000	1,582,000
S&E occupations	2,411,000	1,712,000	300,000	106,000	293,000
Biological, agricultural, and other life scientists	188,000	81,000	55,000	14,000	39,000
Computer and mathematical scientists	1,251,000	1,023,000	86,000	43,000	100,000
Physical and related scientists	105,000	44,000	33,000	4,000	24,000
Social and related scientists	283,000	96,000	89,000	44,000	53,000
Engineers	584,000	468,000	37,000	2,000	77,000
S&E-related occupations	2,578,000	1,556,000	163,000	619,000	239,000
Non-S&E occupations	9,699,000	5,391,000	629,000	2,630,000	1,049,000
Doctorate	2,141,000	995,000	808,000	173,000	165,000
S&E occupations	962,000	410,000	436,000	31,000	86,000
Biological, agricultural, and other life scientists	291,000	112,000	144,000	7,000	28,000
Computer and mathematical scientists	185,000	111,000	61,000	4,000	8,000
Physical and related scientists	125,000	37,000	64,000	3,000	21,000
Social and related scientists	221,000	67,000	120,000	16,000	18,000
Engineers	141,000	83,000	46,000	1,000	10,000
S&E-related occupations	374,000	216,000	90,000	32,000	36,000
Non-S&E occupations	805,000	369,000	282,000	110,000	44,000
Professional	3,246,000	2,459,000	281,000	66,000	440,000
S&E occupations	82,000	47,000	18,000	4,000	13,000
S&E-related occupations	1,538,000	1,230,000	218,000	11,000	79,000
Non-S&E occupations	1,626,000	1,183,000	44,000	51,000	347,000
Foreign-born college graduates, all degrees, all occupations	9,311,000	7,028,000	831,000	642,000	811,000
S&E occupations	2,261,000	1,697,000	388,000	28,000	149,000

TABLE 5-4

Employed college graduates, by nativity, level of highest degree, major occupation, and employment sector: 2021

(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	246,000	105,000	114,000	3,000	24,000
Computer and mathematical scientists	1,325,000	1,173,000	83,000	15,000	54,000
Physical and related scientists	99,000	29,000	59,000	1,000	11,000
Social and related scientists	129,000	37,000	71,000	7,000	14,000
Engineers	462,000	353,000	62,000	1,000	46,000
S&E-related occupations	1,930,000	1,517,000	188,000	74,000	152,000
Non-S&E occupations	5,120,000	3,814,000	255,000	540,000	511,000
Bachelor's	5,036,000	3,977,000	233,000	345,000	481,000
S&E occupations	887,000	748,000	68,000	8,000	62,000
Biological, agricultural, and other life scientists	46,000	22,000	18,000	D	S
Computer and mathematical scientists	612,000	560,000	21,000	7,000	24,000
Physical and related scientists	20,000	7,000	10,000	D	2,000
Social and related scientists	22,000	7,000	S	D	7,000
Engineers	187,000	152,000	12,000	D	23,000
S&E-related occupations	981,000	804,000	62,000	34,000	82,000
Non-S&E occupations	3,168,000	2,426,000	102,000	303,000	337,000
Master's	2,980,000	2,232,000	244,000	264,000	240,000
S&E occupations	926,000	737,000	122,000	13,000	54,000
Biological, agricultural, and other life scientists	52,000	26,000	21,000	D	6,000
Computer and mathematical scientists	599,000	536,000	32,000	6,000	25,000
Physical and related scientists	27,000	7,000	18,000	D	2,000
Social and related scientists	53,000	17,000	27,000	6,000	3,000
Engineers	194,000	151,000	24,000	D	19,000
S&E-related occupations	497,000	376,000	36,000	33,000	52,000
Non-S&E occupations	1,557,000	1,119,000	85,000	219,000	134,000
Doctorate	770,000	406,000	290,000	29,000	46,000
S&E occupations	427,000	201,000	190,000	7,000	30,000
Biological, agricultural, and other life scientists	139,000	54,000	72,000	2,000	11,000
Computer and mathematical scientists	110,000	73,000	29,000	2,000	5,000
Physical and related scientists	53,000	15,000	31,000	1,000	6,000
Social and related scientists	46,000	9,000	32,000	1,000	3,000
Engineers	80,000	49,000	26,000	S	4,000
S&E-related occupations	127,000	75,000	39,000	5,000	7,000
Non-S&E occupations	217,000	131,000	61,000	17,000	8,000
Professional	525,000	412,000	65,000	4,000	44,000
S&E occupations	21,000	11,000	8,000	D	S
S&E-related occupations	325,000	262,000	50,000	S	S
Non-S&E occupations	179,000	139,000	7,000	1,000	32,000
U.S.-born college graduates, all degrees, all occupations	42,453,000	29,318,000	2,511,000	5,995,000	4,628,000
S&E occupations	5,633,000	4,107,000	659,000	179,000	688,000
Biological, agricultural, and other life scientists	548,000	240,000	184,000	22,000	102,000

TABLE 5-4

Employed college graduates, by nativity, level of highest degree, major occupation, and employment sector: 2021

(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]
Computer and mathematical scientists	2,707,000	2,260,000	153,000	80,000	214,000
Physical and related scientists	309,000	141,000	71,000	9,000	88,000
Social and related scientists	583,000	220,000	199,000	64,000	100,000
Engineers	1,487,000	1,247,000	52,000	4,000	184,000
S&E-related occupations	7,592,000	5,386,000	536,000	1,085,000	585,000
Non-S&E occupations	29,228,000	19,825,000	1,315,000	4,732,000	3,356,000
Bachelor's	26,652,000	20,255,000	928,000	2,698,000	2,771,000
S&E occupations	3,551,000	2,887,000	225,000	57,000	382,000
Biological, agricultural, and other life scientists	249,000	126,000	70,000	S	52,000
Computer and mathematical scientists	1,962,000	1,718,000	67,000	41,000	135,000
Physical and related scientists	158,000	81,000	23,000	S	51,000
Social and related scientists	148,000	66,000	47,000	9,000	25,000
Engineers	1,035,000	896,000	18,000	2,000	119,000
S&E-related occupations	4,050,000	3,097,000	190,000	463,000	300,000
Non-S&E occupations	19,051,000	14,271,000	513,000	2,178,000	2,089,000
Master's	11,708,000	6,428,000	848,000	3,090,000	1,342,000
S&E occupations	1,485,000	975,000	178,000	93,000	239,000
Biological, agricultural, and other life scientists	136,000	55,000	35,000	14,000	33,000
Computer and mathematical scientists	653,000	487,000	54,000	36,000	75,000
Physical and related scientists	77,000	37,000	15,000	3,000	22,000
Social and related scientists	230,000	79,000	61,000	39,000	51,000
Engineers	390,000	317,000	13,000	1,000	59,000
S&E-related occupations	2,081,000	1,180,000	127,000	586,000	188,000
Non-S&E occupations	8,142,000	4,273,000	544,000	2,411,000	915,000
Doctorate	1,371,000	589,000	518,000	144,000	120,000
S&E occupations	535,000	210,000	246,000	24,000	56,000
Biological, agricultural, and other life scientists	152,000	58,000	72,000	5,000	16,000
Computer and mathematical scientists	75,000	38,000	32,000	S	3,000
Physical and related scientists	72,000	22,000	33,000	2,000	15,000
Social and related scientists	176,000	58,000	88,000	15,000	15,000
Engineers	60,000	34,000	20,000	D	6,000
S&E-related occupations	247,000	141,000	51,000	27,000	28,000
Non-S&E occupations	588,000	238,000	221,000	93,000	36,000
Professional	2,722,000	2,047,000	216,000	62,000	396,000
S&E occupations	61,000	36,000	11,000	4,000	11,000
S&E-related occupations	1,214,000	968,000	168,000	9,000	69,000
Non-S&E occupations	1,447,000	1,044,000	38,000	49,000	316,000

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, 2021.

TABLE 5-5

Employed foreign-born college graduates, by broad degree field, country of birth, and broad occupation: 2021

(Number)

Degree field and country of birth	Total	S&E occupations	S&E-related occupations	Non-S&E occupations
All foreign-born college graduates, all degree fields	9,311,000	2,261,000	1,930,000	5,120,000
India	1,381,000	660,000	279,000	443,000
Philippines	753,000	55,000	306,000	392,000
China	666,000	306,000	128,000	233,000
Mexico	552,000	79,000	53,000	420,000
Canada	364,000	66,000	60,000	239,000
South Korea	323,000	61,000	74,000	188,000
Germany, not specified	286,000	48,000	35,000	204,000
Vietnam	255,000	60,000	46,000	149,000
Taiwan	214,000	56,000	59,000	99,000
United Kingdom, not specified	193,000	38,000	31,000	124,000
Jamaica	190,000	12,000	29,000	149,000
Colombia	188,000	18,000	32,000	138,000
Japan	153,000	31,000	30,000	91,000
Nigeria	144,000	25,000	58,000	61,000
Venezuela	140,000	19,000	16,000	105,000
Brazil	140,000	27,000	15,000	97,000
Iran	127,000	41,000	34,000	52,000
Russia	114,000	37,000	14,000	62,000
Pakistan	113,000	22,000	21,000	70,000
Hong Kong	110,000	26,000	16,000	69,000
Cuba	109,000	11,000	31,000	67,000
France	105,000	23,000	18,000	65,000
Peru	104,000	9,000	13,000	82,000
Dominican Republic	90,000	9,000	13,000	67,000
Poland	89,000	15,000	21,000	54,000
All other countries	2,408,000	509,000	500,000	1,399,000
S&E fields	4,002,000	1,902,000	607,000	1,493,000
India	888,000	561,000	132,000	195,000
China	439,000	273,000	68,000	97,000
Mexico	205,000	63,000	28,000	113,000
Philippines	155,000	44,000	24,000	87,000
Canada	123,000	62,000	11,000	50,000
South Korea	114,000	46,000	21,000	47,000
Vietnam	104,000	48,000	15,000	41,000
Taiwan	99,000	50,000	19,000	30,000
Germany, not specified	88,000	34,000	11,000	43,000
United Kingdom, not specified	82,000	32,000	11,000	40,000
Iran	78,000	36,000	13,000	29,000
Japan	64,000	25,000	6,000	32,000
Russia	59,000	34,000	4,000	22,000
Pakistan	52,000	19,000	5,000	27,000
Nigeria	48,000	20,000	10,000	18,000
Brazil	46,000	20,000	S	21,000
Bangladesh	46,000	29,000	4,000	12,000
Hong Kong	45,000	20,000	8,000	18,000
Cuba	44,000	7,000	9,000	29,000
Colombia	43,000	14,000	9,000	20,000
Venezuela	42,000	16,000	5,000	21,000
Ukraine	40,000	20,000	5,000	15,000
Jamaica	40,000	7,000	4,000	28,000

TABLE 5-5

Employed foreign-born college graduates, by broad degree field, country of birth, and broad occupation: 2021

(Number)

Degree field and country of birth	Total	S&E occupations	S&E-related occupations	Non-S&E occupations
Eastern Europe, not specified	39,000	13,000	8,000	17,000
France	36,000	18,000	4,000	14,000
All other countries	983,000	390,000	167,000	426,000
S&E-related fields	1,580,000	131,000	1,095,000	354,000
Philippines	286,000	4,000	238,000	45,000
India	195,000	47,000	117,000	32,000
China	83,000	18,000	53,000	12,000
South Korea	60,000	4,000	45,000	10,000
Canada	56,000	2,000	45,000	9,000
Vietnam	46,000	S	29,000	14,000
Nigeria	46,000	S	38,000	S
Mexico	43,000	1,000	20,000	22,000
Iran	36,000	2,000	21,000	S
United Kingdom, not specified	32,000	S	18,000	12,000
Haiti	32,000	D	25,000	S
Taiwan	30,000	2,000	21,000	8,000
Cuba	29,000	2,000	21,000	6,000
Lebanon	S	D	S	D
Jamaica	26,000	D	22,000	4,000
Germany, not specified	26,000	4,000	19,000	3,000
Colombia	25,000	1,000	15,000	S
Peru	22,000	S	6,000	16,000
Pakistan	21,000	D	15,000	S
Japan	20,000	1,000	12,000	7,000
Egypt	16,000	S	6,000	S
Kuwait	D	D	D	D
France	15,000	D	S	S
Ghana	14,000	D	12,000	S
Poland	14,000	D	12,000	D
All other countries	366,000	33,000	231,000	102,000
Non-S&E fields	3,729,000	228,000	228,000	3,273,000
Philippines	312,000	7,000	44,000	260,000
Mexico	305,000	15,000	5,000	284,000
India	298,000	52,000	30,000	216,000
Canada	185,000	2,000	3,000	180,000
Germany, not specified	173,000	10,000	5,000	158,000
South Korea	150,000	12,000	7,000	131,000
China	145,000	15,000	6,000	124,000
Jamaica	125,000	S	3,000	117,000
Colombia	120,000	S	S	110,000
Vietnam	105,000	10,000	S	94,000
Venezuela	86,000	3,000	D	82,000
Taiwan	85,000	4,000	S	61,000
Brazil	80,000	4,000	D	73,000
United Kingdom, not specified	78,000	S	S	72,000
Japan	69,000	S	S	53,000
Hong Kong	55,000	S	D	50,000
Peru	54,000	S	S	51,000
France	54,000	3,000	*	51,000
Dominican Republic	50,000	S	D	42,000
Nigeria	50,000	4,000	S	36,000

TABLE 5-5

Employed foreign-born college graduates, by broad degree field, country of birth, and broad occupation: 2021

(Number)

Degree field and country of birth	Total	S&E occupations	S&E-related occupations	Non-S&E occupations
Russia	47,000	S	S	40,000
Poland	44,000	D	S	40,000
Pakistan	40,000	S	D	38,000
Trinidad and Tobago	38,000	D	D	36,000
Thailand	37,000	D	D	37,000
All other countries	946,000	57,000	51,000	838,000

* = 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. For each broad degree field, data are presented for the 25 countries with the largest numbers of foreign-born college graduates employed in the United States during the survey reference week. Data include noncitizen college graduates who are on permanent or temporary visas.

Source(s):
National Center for Science and Engineering Statistics, National Survey of College Graduates, 2021.

TABLE 6-1

Employed scientists and engineers, by level of highest degree and minor field of highest degree: 2003–21

(Number)

Level and field of highest degree	2003	2010	2013	2015	2017	2019	2021
Employed scientists and engineers	4,588,000	5,374,000	5,766,000	6,407,000	6,769,000	7,466,000	7,894,000
S&E fields	3,319,000	3,971,000	4,350,000	4,854,000	5,085,000	5,709,000	6,059,000
Biological, agricultural, and environmental life sciences	415,000	539,000	587,000	624,000	633,000	705,000	768,000
Agricultural and food sciences	47,000	71,000	61,000	60,000	57,000	59,000	73,000
Biological sciences	316,000	410,000	464,000	495,000	522,000	565,000	610,000
Environmental life sciences	53,000	58,000	61,000	69,000	53,000	80,000	85,000
Computer and mathematical sciences	751,000	1,023,000	1,195,000	1,350,000	1,437,000	1,670,000	1,795,000
Computer and information sciences	575,000	831,000	997,000	1,153,000	1,257,000	1,427,000	1,556,000
Mathematics and statistics	176,000	192,000	197,000	197,000	180,000	243,000	239,000
Physical and related sciences	330,000	354,000	359,000	386,000	366,000	422,000	461,000
Chemistry, except biochemistry	147,000	154,000	158,000	173,000	156,000	179,000	189,000
Earth, atmospheric, and ocean sciences	86,000	92,000	96,000	100,000	93,000	108,000	120,000
Physics and astronomy	87,000	100,000	100,000	109,000	109,000	131,000	146,000
Other physical sciences	9,000	8,000	5,000	4,000	8,000	4,000	6,000
Social and related sciences	462,000	556,000	599,000	660,000	679,000	754,000	758,000
Economics	67,000	80,000	78,000	98,000	115,000	130,000	123,000
Political and related sciences	61,000	89,000	82,000	89,000	107,000	107,000	115,000
Psychology	237,000	260,000	296,000	309,000	306,000	341,000	337,000
Sociology and anthropology	61,000	66,000	78,000	88,000	95,000	102,000	112,000
Other social sciences	36,000	61,000	65,000	75,000	58,000	74,000	71,000
Engineering	1,362,000	1,498,000	1,611,000	1,834,000	1,970,000	2,159,000	2,277,000
Aerospace, aeronautical, and astronautical engineering	42,000	44,000	46,000	62,000	58,000	81,000	84,000
Chemical engineering	89,000	95,000	101,000	114,000	129,000	138,000	148,000
Civil and architectural engineering	225,000	223,000	229,000	235,000	250,000	284,000	296,000
Electrical and computer engineering	497,000	580,000	621,000	739,000	820,000	849,000	885,000
Industrial engineering	57,000	62,000	73,000	80,000	83,000	86,000	82,000
Mechanical engineering	278,000	308,000	338,000	396,000	387,000	452,000	500,000
Other engineering	174,000	186,000	202,000	209,000	243,000	269,000	283,000
S&E-related fields	274,000	329,000	326,000	367,000	382,000	428,000	439,000
Health	93,000	119,000	117,000	133,000	146,000	164,000	190,000
Science and mathematics teacher education	23,000	23,000	30,000	23,000	29,000	29,000	30,000
Technology and technical fields	130,000	153,000	135,000	168,000	173,000	186,000	170,000
Other S&E-related fields	28,000	34,000	43,000	44,000	35,000	49,000	48,000
Non-S&E fields	995,000	1,074,000	1,090,000	1,186,000	1,301,000	1,330,000	1,396,000
Management and administration fields	511,000	567,000	514,000	559,000	573,000	666,000	647,000
Education, except science and math teacher education	92,000	57,000	54,000	62,000	98,000	76,000	94,000
Social service and related fields	47,000	57,000	70,000	66,000	58,000	77,000	77,000
Sales and marketing fields	52,000	42,000	33,000	43,000	103,000	53,000	61,000
Art and humanities fields	146,000	183,000	192,000	229,000	226,000	224,000	273,000
Other non-S&E fields	147,000	168,000	227,000	228,000	242,000	233,000	244,000
Bachelor's	2,529,000	2,980,000	3,288,000	3,518,000	3,846,000	4,176,000	4,438,000
S&E fields	1,821,000	2,204,000	2,482,000	2,707,000	2,918,000	3,251,000	3,499,000
Biological, agricultural, and environmental life sciences	184,000	237,000	291,000	270,000	321,000	344,000	371,000
Agricultural and food sciences	23,000	35,000	28,000	22,000	24,000	31,000	39,000
Biological sciences	125,000	170,000	223,000	204,000	265,000	266,000	281,000
Environmental life sciences	36,000	32,000	39,000	44,000	31,000	47,000	51,000
Computer and mathematical sciences	454,000	640,000	757,000	808,000	879,000	1,032,000	1,137,000
Computer and information sciences	366,000	552,000	661,000	721,000	807,000	915,000	1,024,000
Mathematics and statistics	88,000	88,000	95,000	87,000	72,000	117,000	113,000
Physical and related sciences	144,000	148,000	150,000	159,000	147,000	194,000	199,000
Chemistry, except biochemistry	68,000	73,000	73,000	86,000	73,000	91,000	93,000

TABLE 6-1

Employed scientists and engineers, by level of highest degree and minor field of highest degree: 2003–21

(Number)

Level and field of highest degree	2003	2010	2013	2015	2017	2019	2021
Earth, atmospheric, and ocean sciences	42,000	38,000	40,000	39,000	39,000	59,000	54,000
Physics and astronomy	29,000	33,000	33,000	31,000	29,000	40,000	49,000
Other physical sciences	5,000	4,000	4,000	S	7,000	S	S
Social and related sciences	159,000	207,000	226,000	272,000	305,000	327,000	321,000
Economics	34,000	37,000	38,000	57,000	70,000	79,000	67,000
Political and related sciences	35,000	37,000	39,000	33,000	52,000	48,000	52,000
Psychology	45,000	73,000	77,000	88,000	101,000	116,000	108,000
Sociology and anthropology	26,000	26,000	38,000	42,000	50,000	45,000	54,000
Other social sciences	19,000	34,000	35,000	51,000	32,000	39,000	39,000
Engineering	880,000	973,000	1,058,000	1,197,000	1,265,000	1,355,000	1,470,000
Aerospace, aeronautical, and astronautical engineering	25,000	22,000	29,000	40,000	32,000	47,000	47,000
Chemical engineering	59,000	66,000	71,000	83,000	95,000	98,000	112,000
Civil and architectural engineering	157,000	163,000	154,000	150,000	169,000	182,000	194,000
Electrical and computer engineering	312,000	364,000	402,000	476,000	516,000	523,000	569,000
Industrial engineering	37,000	38,000	54,000	53,000	51,000	54,000	46,000
Mechanical engineering	205,000	229,000	247,000	297,000	284,000	325,000	372,000
Other engineering	84,000	91,000	99,000	98,000	118,000	125,000	130,000
S&E-related fields	151,000	180,000	170,000	183,000	189,000	193,000	203,000
Health	28,000	44,000	37,000	43,000	43,000	36,000	57,000
Science and mathematics teacher education	7,000	10,000	8,000	5,000	5,000	4,000	S
Technology and technical fields	102,000	115,000	109,000	117,000	125,000	132,000	117,000
Other S&E-related fields	13,000	12,000	16,000	18,000	16,000	21,000	18,000
Non-S&E fields	558,000	596,000	637,000	628,000	740,000	732,000	736,000
Management and administration fields	263,000	309,000	264,000	263,000	274,000	344,000	292,000
Education, except science and math teacher education	37,000	22,000	19,000	18,000	38,000	28,000	32,000
Social service and related fields	17,000	14,000	22,000	15,000	17,000	22,000	26,000
Sales and marketing fields	33,000	31,000	21,000	24,000	83,000	37,000	44,000
Art and humanities fields	123,000	149,000	164,000	191,000	197,000	189,000	231,000
Other non-S&E fields	85,000	71,000	146,000	117,000	130,000	112,000	112,000
Master's	1,406,000	1,644,000	1,689,000	2,076,000	2,069,000	2,286,000	2,411,000
S&E fields	929,000	1,126,000	1,192,000	1,461,000	1,442,000	1,589,000	1,671,000
Biological, agricultural, and environmental life sciences	82,000	123,000	119,000	175,000	123,000	132,000	157,000
Agricultural and food sciences	9,000	25,000	23,000	29,000	21,000	13,000	20,000
Biological sciences	57,000	78,000	79,000	125,000	83,000	90,000	107,000
Environmental life sciences	15,000	20,000	17,000	21,000	18,000	28,000	29,000
Computer and mathematical sciences	246,000	321,000	375,000	474,000	482,000	543,000	560,000
Computer and information sciences	194,000	255,000	308,000	401,000	411,000	463,000	481,000
Mathematics and statistics	52,000	65,000	67,000	73,000	70,000	81,000	79,000
Physical and related sciences	75,000	78,000	81,000	91,000	98,000	88,000	106,000
Chemistry, except biochemistry	26,000	24,000	26,000	25,000	32,000	26,000	28,000
Earth, atmospheric, and ocean sciences	29,000	32,000	34,000	41,000	38,000	28,000	39,000
Physics and astronomy	19,000	19,000	20,000	24,000	27,000	33,000	37,000
Other physical sciences	1,000	3,000	1,000	1,000	1,000	1,000	S
Social and related sciences	146,000	179,000	182,000	203,000	176,000	194,000	212,000
Economics	17,000	17,000	19,000	20,000	20,000	26,000	30,000
Political and related sciences	17,000	37,000	27,000	39,000	37,000	34,000	46,000
Psychology	84,000	82,000	99,000	102,000	87,000	92,000	96,000
Sociology and anthropology	18,000	20,000	16,000	24,000	18,000	19,000	22,000
Other social sciences	10,000	23,000	21,000	16,000	14,000	23,000	18,000
Engineering	381,000	425,000	434,000	518,000	563,000	632,000	635,000
Aerospace, aeronautical, and astronautical engineering	12,000	16,000	13,000	17,000	22,000	27,000	29,000

TABLE 6-1

Employed scientists and engineers, by level of highest degree and minor field of highest degree: 2003–21

(Number)

Level and field of highest degree	2003	2010	2013	2015	2017	2019	2021
Chemical engineering	18,000	16,000	18,000	18,000	21,000	17,000	19,000
Civil and architectural engineering	58,000	53,000	63,000	76,000	69,000	85,000	85,000
Electrical and computer engineering	152,000	183,000	179,000	227,000	257,000	273,000	262,000
Industrial engineering	18,000	22,000	17,000	21,000	28,000	26,000	31,000
Mechanical engineering	60,000	67,000	70,000	79,000	79,000	104,000	107,000
Other engineering	65,000	69,000	75,000	81,000	86,000	101,000	102,000
S&E-related fields	81,000	99,000	102,000	125,000	131,000	172,000	156,000
Health	28,000	33,000	35,000	42,000	52,000	76,000	65,000
Science and mathematics teacher education	13,000	10,000	18,000	14,000	19,000	21,000	14,000
Technology and technical fields	26,000	34,000	24,000	44,000	43,000	49,000	48,000
Other S&E-related fields	14,000	21,000	25,000	25,000	17,000	27,000	28,000
Non-S&E fields	395,000	419,000	396,000	490,000	496,000	524,000	584,000
Management and administration fields	245,000	255,000	246,000	290,000	295,000	314,000	349,000
Education, except science and math teacher education	43,000	27,000	29,000	39,000	54,000	40,000	53,000
Social service and related fields	27,000	36,000	34,000	37,000	33,000	40,000	39,000
Sales and marketing fields	19,000	11,000	12,000	19,000	20,000	16,000	17,000
Art and humanities fields	20,000	27,000	24,000	32,000	25,000	30,000	38,000
Other non-S&E fields	41,000	64,000	52,000	73,000	69,000	84,000	89,000
Doctorate	605,000	692,000	724,000	751,000	786,000	938,000	962,000
S&E fields	556,000	624,000	650,000	664,000	702,000	841,000	861,000
Biological, agricultural, and environmental life sciences	149,000	179,000	177,000	178,000	189,000	229,000	240,000
Agricultural and food sciences	14,000	11,000	10,000	9,000	12,000	15,000	14,000
Biological sciences	133,000	162,000	162,000	166,000	173,000	209,000	221,000
Environmental life sciences	2,000	6,000	5,000	3,000	4,000	5,000	5,000
Computer and mathematical sciences	51,000	63,000	63,000	68,000	76,000	94,000	98,000
Computer and information sciences	15,000	24,000	28,000	30,000	39,000	50,000	51,000
Mathematics and statistics	36,000	38,000	35,000	38,000	37,000	45,000	47,000
Physical and related sciences	111,000	128,000	128,000	136,000	121,000	140,000	155,000
Chemistry, except biochemistry	53,000	57,000	59,000	61,000	51,000	62,000	68,000
Earth, atmospheric, and ocean sciences	16,000	22,000	21,000	20,000	16,000	20,000	27,000
Physics and astronomy	40,000	48,000	47,000	54,000	52,000	58,000	59,000
Other physical sciences	2,000	S	S	D	S	*	1,000
Social and related sciences	144,000	154,000	164,000	162,000	174,000	207,000	196,000
Economics	17,000	26,000	22,000	21,000	25,000	25,000	26,000
Political and related sciences	10,000	15,000	16,000	16,000	17,000	25,000	16,000
Psychology	94,000	90,000	93,000	96,000	95,000	106,000	105,000
Sociology and anthropology	17,000	20,000	24,000	21,000	26,000	39,000	36,000
Other social sciences	6,000	3,000	9,000	8,000	11,000	12,000	14,000
Engineering	101,000	100,000	118,000	119,000	142,000	171,000	171,000
Aerospace, aeronautical, and astronautical engineering	5,000	5,000	4,000	5,000	4,000	8,000	7,000
Chemical engineering	12,000	13,000	12,000	13,000	13,000	23,000	17,000
Civil and architectural engineering	10,000	8,000	11,000	9,000	13,000	16,000	17,000
Electrical and computer engineering	33,000	33,000	40,000	36,000	46,000	53,000	54,000
Industrial engineering	2,000	3,000	2,000	6,000	4,000	6,000	5,000
Mechanical engineering	14,000	13,000	20,000	20,000	24,000	23,000	21,000
Other engineering	25,000	26,000	29,000	29,000	39,000	43,000	51,000
S&E-related fields	22,000	31,000	32,000	42,000	42,000	44,000	51,000
Health	17,000	23,000	24,000	31,000	31,000	33,000	40,000
Science and mathematics teacher education	3,000	3,000	4,000	3,000	5,000	5,000	5,000
Technology and technical fields	2,000	4,000	3,000	7,000	5,000	5,000	5,000
Other S&E-related fields	1,000	1,000	2,000	S	2,000	1,000	2,000

TABLE 6-1

Employed scientists and engineers, by level of highest degree and minor field of highest degree: 2003–21

(Number)

Level and field of highest degree	2003	2010	2013	2015	2017	2019	2021
Non-S&E fields	27,000	36,000	42,000	45,000	41,000	53,000	50,000
Management and administration fields	3,000	3,000	3,000	S	4,000	9,000	6,000
Education, except science and math teacher education	12,000	8,000	7,000	6,000	5,000	8,000	9,000
Social service and related fields	3,000	8,000	14,000	13,000	9,000	15,000	13,000
Sales and marketing fields	D	D	D	D	D	D	D
Art and humanities fields	3,000	S	4,000	5,000	4,000	5,000	5,000
Other non-S&E fields	6,000	10,000	14,000	15,000	19,000	16,000	18,000
Professional	49,000	58,000	64,000	63,000	67,000	67,000	82,000
S&E fields	13,000	16,000	27,000	22,000	24,000	28,000	28,000
S&E-related fields	20,000	20,000	22,000	16,000	20,000	18,000	29,000
Non-S&E fields	15,000	22,000	15,000	24,000	24,000	21,000	25,000

* = 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. Scientists and engineers are bachelor's and higher degreed individuals living in the United States employed in an S&E occupation.

Source(s):
National Center for Science and Engineering Statistics, National Survey of College Graduates.

TABLE 6-2

Employed college graduates, by sex, race, ethnicity, and major occupation: 2003–21

(Number)

Sex, ethnicity, race, and occupation	2003	2010	2013	2015	2017	2019	2021
Both sexes	32,574,000	40,623,000	43,839,000	45,941,000	48,223,000	50,524,000	51,764,000
S&E occupations	4,588,000	5,374,000	5,766,000	6,407,000	6,769,000	7,466,000	7,894,000
Biological, agricultural, and other life scientists	421,000	602,000	638,000	631,000	610,000	698,000	794,000
Computer and mathematical scientists	1,930,000	2,396,000	2,653,000	3,156,000	3,419,000	3,774,000	4,031,000
Physical and related scientists	298,000	327,000	324,000	331,000	366,000	409,000	408,000
Social and related scientists	477,000	518,000	596,000	570,000	646,000	663,000	712,000
Engineers	1,463,000	1,531,000	1,554,000	1,719,000	1,728,000	1,921,000	1,949,000
S&E-related occupations	5,155,000	6,966,000	7,508,000	7,867,000	8,271,000	8,893,000	9,522,000
Non-S&E occupations	22,831,000	28,282,000	30,566,000	31,667,000	33,183,000	34,165,000	34,349,000
Hispanic or Latino	1,710,000	2,898,000	3,394,000	3,786,000	4,280,000	4,803,000	5,307,000
S&E occupations	199,000	274,000	357,000	387,000	505,000	564,000	692,000
Biological, agricultural, and other life scientists	19,000	28,000	42,000	37,000	38,000	64,000	72,000
Computer and mathematical scientists	72,000	106,000	146,000	159,000	200,000	238,000	328,000
Physical and related scientists	12,000	13,000	17,000	17,000	29,000	27,000	32,000
Social and related scientists	21,000	30,000	48,000	55,000	95,000	77,000	81,000
Engineers	75,000	98,000	103,000	120,000	143,000	159,000	178,000
S&E-related occupations	265,000	434,000	572,000	629,000	702,000	821,000	843,000
Non-S&E occupations	1,245,000	2,190,000	2,465,000	2,769,000	3,073,000	3,418,000	3,772,000
American Indian or Alaska Native	131,000	118,000	130,000	117,000	121,000	182,000	126,000
S&E occupations	14,000	11,000	10,000	10,000	14,000	S	10,000
Biological, agricultural, and other life scientists	3,000	1,000	1,000	2,000	S	1,000	2,000
Computer and mathematical scientists	3,000	2,000	2,000	2,000	4,000	S	5,000
Physical and related scientists	1,000	1,000	*	1,000	S	1,000	1,000
Social and related scientists	2,000	S	3,000	2,000	S	S	1,000
Engineers	4,000	6,000	3,000	4,000	5,000	5,000	2,000
S&E-related occupations	20,000	21,000	32,000	27,000	28,000	29,000	22,000
Non-S&E occupations	98,000	85,000	87,000	80,000	80,000	132,000	94,000
Asian	2,222,000	3,211,000	3,671,000	4,001,000	4,498,000	5,062,000	5,475,000
S&E occupations	624,000	968,000	996,000	1,321,000	1,338,000	1,543,000	1,665,000
Biological, agricultural, and other life scientists	60,000	112,000	117,000	114,000	126,000	157,000	167,000
Computer and mathematical scientists	331,000	536,000	572,000	813,000	840,000	955,000	1,064,000
Physical and related scientists	36,000	41,000	49,000	64,000	51,000	55,000	61,000
Social and related scientists	24,000	29,000	41,000	51,000	38,000	44,000	57,000
Engineers	173,000	251,000	217,000	279,000	283,000	331,000	316,000
S&E-related occupations	478,000	796,000	910,000	871,000	1,042,000	1,151,000	1,264,000
Non-S&E occupations	1,120,000	1,447,000	1,766,000	1,809,000	2,118,000	2,368,000	2,546,000
Black or African American	2,054,000	2,747,000	3,141,000	3,434,000	3,805,000	3,895,000	4,109,000
S&E occupations	200,000	251,000	275,000	308,000	382,000	379,000	399,000
Biological, agricultural, and other life scientists	12,000	20,000	19,000	16,000	20,000	23,000	32,000
Computer and mathematical scientists	102,000	141,000	162,000	162,000	242,000	214,000	242,000
Physical and related scientists	8,000	11,000	12,000	13,000	11,000	18,000	16,000
Social and related scientists	27,000	24,000	25,000	42,000	48,000	47,000	44,000
Engineers	50,000	54,000	57,000	74,000	62,000	77,000	65,000
S&E-related occupations	285,000	401,000	462,000	515,000	610,000	613,000	756,000
Non-S&E occupations	1,569,000	2,095,000	2,404,000	2,612,000	2,813,000	2,903,000	2,955,000
Native Hawaiian or Other Pacific Islander	90,000	119,000	133,000	182,000	137,000	129,000	136,000
S&E occupations	13,000	12,000	12,000	12,000	23,000	17,000	16,000
Biological, agricultural, and other life scientists	1,000	S	2,000	1,000	1,000	D	1,000
Computer and mathematical scientists	7,000	2,000	5,000	6,000	12,000	6,000	6,000
Physical and related scientists	D	*	*	D	S	S	S
Social and related scientists	D	S	1,000	S	S	2,000	S

TABLE 6-2

Employed college graduates, by sex, race, ethnicity, and major occupation: 2003–21

(Number)

Sex, ethnicity, race, and occupation	2003	2010	2013	2015	2017	2019	2021
Engineers	5,000	5,000	4,000	4,000	8,000	7,000	7,000
S&E-related occupations	21,000	28,000	24,000	21,000	16,000	30,000	36,000
Non-S&E occupations	56,000	79,000	97,000	149,000	97,000	82,000	83,000
White	25,973,000	30,946,000	32,698,000	33,495,000	34,435,000	35,269,000	35,373,000
S&E occupations	3,479,000	3,789,000	4,033,000	4,267,000	4,397,000	4,784,000	4,943,000
Biological, agricultural, and other life scientists	321,000	428,000	449,000	449,000	415,000	439,000	501,000
Computer and mathematical scientists	1,390,000	1,575,000	1,726,000	1,965,000	2,070,000	2,259,000	2,296,000
Physical and related scientists	237,000	257,000	242,000	233,000	265,000	300,000	288,000
Social and related scientists	394,000	427,000	467,000	407,000	451,000	480,000	513,000
Engineers	1,138,000	1,101,000	1,149,000	1,213,000	1,196,000	1,305,000	1,345,000
S&E-related occupations	4,022,000	5,208,000	5,380,000	5,676,000	5,726,000	6,053,000	6,412,000
Non-S&E occupations	18,472,000	21,948,000	23,285,000	23,552,000	24,313,000	24,432,000	24,018,000
More than one race	394,000	585,000	673,000	926,000	946,000	1,184,000	1,238,000
S&E occupations	60,000	69,000	84,000	103,000	109,000	158,000	169,000
Biological, agricultural, and other life scientists	6,000	8,000	9,000	12,000	9,000	14,000	19,000
Computer and mathematical scientists	24,000	34,000	40,000	50,000	52,000	88,000	89,000
Physical and related scientists	4,000	4,000	3,000	3,000	7,000	7,000	9,000
Social and related scientists	8,000	7,000	11,000	11,000	10,000	12,000	16,000
Engineers	18,000	17,000	20,000	27,000	31,000	37,000	36,000
S&E-related occupations	64,000	78,000	128,000	128,000	147,000	198,000	189,000
Non-S&E occupations	270,000	437,000	462,000	695,000	689,000	829,000	880,000
Female	15,111,000	19,978,000	22,052,000	23,218,000	24,900,000	26,341,000	26,493,000
S&E occupations	1,203,000	1,486,000	1,681,000	1,818,000	1,966,000	2,193,000	2,300,000
Biological, agricultural, and other life scientists	164,000	292,000	311,000	302,000	292,000	337,000	367,000
Computer and mathematical scientists	552,000	602,000	673,000	833,000	919,000	975,000	1,053,000
Physical and related scientists	83,000	98,000	100,000	92,000	107,000	142,000	135,000
Social and related scientists	251,000	295,000	363,000	341,000	379,000	428,000	433,000
Engineers	154,000	200,000	235,000	250,000	269,000	310,000	312,000
S&E-related occupations	2,814,000	3,877,000	4,223,000	4,558,000	4,764,000	5,109,000	5,494,000
Non-S&E occupations	11,094,000	14,615,000	16,147,000	16,842,000	18,170,000	19,040,000	18,699,000
Hispanic or Latino	862,000	1,533,000	1,827,000	2,045,000	2,391,000	2,668,000	2,907,000
S&E occupations	57,000	84,000	120,000	117,000	154,000	182,000	206,000
Biological, agricultural, and other life scientists	10,000	15,000	25,000	18,000	24,000	33,000	36,000
Computer and mathematical scientists	18,000	33,000	39,000	39,000	49,000	49,000	75,000
Physical and related scientists	4,000	6,000	7,000	6,000	10,000	11,000	11,000
Social and related scientists	13,000	17,000	31,000	37,000	46,000	58,000	52,000
Engineers	12,000	13,000	18,000	17,000	26,000	31,000	33,000
S&E-related occupations	135,000	254,000	322,000	372,000	427,000	492,000	537,000
Non-S&E occupations	670,000	1,195,000	1,385,000	1,555,000	1,809,000	1,994,000	2,164,000
American Indian or Alaska Native	71,000	50,000	65,000	63,000	68,000	121,000	71,000
S&E occupations	4,000	3,000	3,000	1,000	5,000	4,000	3,000
Biological, agricultural, and other life scientists	D	D	S	D	D	*	S
Computer and mathematical scientists	2,000	*	1,000	*	S	S	D
Physical and related scientists	1,000	*	*	D	D	D	D
Social and related scientists	D	*	S	S	1,000	*	*
Engineers	1,000	S	*	D	D	S	D
S&E-related occupations	12,000	13,000	22,000	18,000	16,000	15,000	17,000
Non-S&E occupations	55,000	34,000	40,000	44,000	47,000	101,000	51,000
Asian	999,000	1,359,000	1,687,000	1,882,000	2,142,000	2,457,000	2,682,000
S&E occupations	166,000	260,000	293,000	417,000	409,000	488,000	511,000
Biological, agricultural, and other life scientists	23,000	62,000	63,000	57,000	55,000	72,000	79,000

TABLE 6-2

Employed college graduates, by sex, race, ethnicity, and major occupation: 2003–21

(Number)

Sex, ethnicity, race, and occupation	2003	2010	2013	2015	2017	2019	2021
Computer and mathematical scientists	93,000	124,000	155,000	272,000	257,000	307,000	315,000
Physical and related scientists	13,000	13,000	16,000	16,000	16,000	15,000	19,000
Social and related scientists	11,000	15,000	24,000	32,000	26,000	30,000	32,000
Engineers	27,000	46,000	36,000	40,000	54,000	64,000	66,000
S&E-related occupations	260,000	382,000	437,000	467,000	537,000	625,000	656,000
Non-S&E occupations	572,000	718,000	957,000	998,000	1,196,000	1,343,000	1,516,000
Black or African American	1,207,000	1,616,000	1,865,000	2,077,000	2,292,000	2,344,000	2,432,000
S&E occupations	80,000	108,000	110,000	104,000	168,000	135,000	144,000
Biological, agricultural, and other life scientists	6,000	9,000	11,000	10,000	9,000	12,000	19,000
Computer and mathematical scientists	45,000	71,000	65,000	50,000	109,000	70,000	83,000
Physical and related scientists	2,000	4,000	5,000	4,000	5,000	7,000	4,000
Social and related scientists	17,000	14,000	18,000	24,000	34,000	33,000	28,000
Engineers	10,000	9,000	11,000	16,000	11,000	12,000	10,000
S&E-related occupations	199,000	257,000	291,000	301,000	362,000	355,000	488,000
Non-S&E occupations	928,000	1,251,000	1,465,000	1,671,000	1,762,000	1,854,000	1,801,000
Native Hawaiian or Other Pacific Islander	38,000	52,000	57,000	75,000	67,000	51,000	65,000
S&E occupations	3,000	4,000	2,000	2,000	5,000	3,000	5,000
Biological, agricultural, and other life scientists	D	S	*	1,000	S	D	D
Computer and mathematical scientists	2,000	*	D	S	S	D	S
Physical and related scientists	D	D	D	D	*	D	D
Social and related scientists	D	S	*	S	S	S	S
Engineers	D	D	*	D	D	D	D
S&E-related occupations	12,000	11,000	12,000	14,000	9,000	9,000	S
Non-S&E occupations	23,000	37,000	43,000	59,000	52,000	40,000	42,000
White	11,734,000	15,036,000	16,169,000	16,582,000	17,391,000	18,005,000	17,710,000
S&E occupations	874,000	1,009,000	1,130,000	1,144,000	1,188,000	1,322,000	1,386,000
Biological, agricultural, and other life scientists	122,000	200,000	207,000	209,000	196,000	212,000	223,000
Computer and mathematical scientists	386,000	365,000	407,000	461,000	486,000	519,000	564,000
Physical and related scientists	61,000	72,000	71,000	64,000	72,000	105,000	98,000
Social and related scientists	204,000	244,000	279,000	240,000	266,000	296,000	307,000
Engineers	101,000	127,000	165,000	171,000	168,000	190,000	194,000
S&E-related occupations	2,158,000	2,911,000	3,063,000	3,313,000	3,314,000	3,491,000	3,649,000
Non-S&E occupations	8,702,000	11,115,000	11,976,000	12,125,000	12,889,000	13,192,000	12,676,000
More than one race	201,000	333,000	381,000	494,000	550,000	695,000	626,000
S&E occupations	19,000	18,000	23,000	31,000	37,000	58,000	45,000
Biological, agricultural, and other life scientists	3,000	3,000	3,000	7,000	4,000	6,000	9,000
Computer and mathematical scientists	7,000	7,000	5,000	9,000	15,000	28,000	14,000
Physical and related scientists	S	S	1,000	1,000	4,000	4,000	3,000
Social and related scientists	4,000	3,000	9,000	8,000	6,000	9,000	12,000
Engineers	3,000	3,000	4,000	6,000	8,000	10,000	8,000
S&E-related occupations	38,000	50,000	76,000	73,000	99,000	121,000	129,000
Non-S&E occupations	144,000	265,000	282,000	390,000	414,000	516,000	452,000
Male	17,463,000	20,644,000	21,787,000	22,723,000	23,323,000	24,183,000	25,271,000
S&E occupations	3,385,000	3,888,000	4,084,000	4,590,000	4,803,000	5,274,000	5,594,000
Biological, agricultural, and other life scientists	257,000	310,000	328,000	329,000	319,000	361,000	427,000
Computer and mathematical scientists	1,378,000	1,795,000	1,980,000	2,323,000	2,500,000	2,799,000	2,979,000
Physical and related scientists	215,000	229,000	224,000	239,000	259,000	267,000	273,000
Social and related scientists	226,000	223,000	234,000	229,000	266,000	235,000	279,000
Engineers	1,309,000	1,331,000	1,319,000	1,469,000	1,459,000	1,612,000	1,636,000
S&E-related occupations	2,341,000	3,089,000	3,285,000	3,309,000	3,507,000	3,785,000	4,028,000
Non-S&E occupations	11,736,000	13,667,000	14,418,000	14,824,000	15,013,000	15,125,000	15,649,000

TABLE 6-2

Employed college graduates, by sex, race, ethnicity, and major occupation: 2003–21

(Number)

Sex, ethnicity, race, and occupation	2003	2010	2013	2015	2017	2019	2021
Hispanic or Latino	847,000	1,365,000	1,566,000	1,741,000	1,889,000	2,135,000	2,401,000
S&E occupations	142,000	191,000	237,000	270,000	351,000	382,000	485,000
Biological, agricultural, and other life scientists	9,000	13,000	17,000	18,000	14,000	30,000	37,000
Computer and mathematical scientists	54,000	73,000	107,000	120,000	151,000	189,000	254,000
Physical and related scientists	8,000	7,000	11,000	10,000	19,000	17,000	21,000
Social and related scientists	9,000	13,000	16,000	19,000	S	19,000	28,000
Engineers	63,000	85,000	86,000	103,000	118,000	128,000	145,000
S&E-related occupations	130,000	179,000	249,000	257,000	275,000	328,000	307,000
Non-S&E occupations	576,000	995,000	1,080,000	1,214,000	1,263,000	1,424,000	1,608,000
American Indian or Alaska Native	61,000	68,000	65,000	55,000	53,000	62,000	55,000
S&E occupations	10,000	7,000	7,000	9,000	9,000	S	7,000
Biological, agricultural, and other life scientists	3,000	*	1,000	2,000	*	S	D
Computer and mathematical scientists	2,000	2,000	1,000	1,000	S	S	S
Physical and related scientists	D	S	*	*	S	1,000	1,000
Social and related scientists	S	D	2,000	S	S	S	*
Engineers	3,000	4,000	3,000	4,000	3,000	3,000	2,000
S&E-related occupations	8,000	9,000	10,000	9,000	12,000	14,000	5,000
Non-S&E occupations	43,000	52,000	48,000	37,000	32,000	31,000	43,000
Asian	1,223,000	1,852,000	1,984,000	2,118,000	2,357,000	2,605,000	2,793,000
S&E occupations	457,000	708,000	702,000	904,000	929,000	1,055,000	1,154,000
Biological, agricultural, and other life scientists	37,000	50,000	54,000	57,000	70,000	86,000	88,000
Computer and mathematical scientists	238,000	412,000	417,000	541,000	583,000	648,000	749,000
Physical and related scientists	23,000	27,000	33,000	48,000	35,000	40,000	42,000
Social and related scientists	13,000	13,000	17,000	19,000	12,000	14,000	25,000
Engineers	146,000	205,000	181,000	239,000	228,000	268,000	250,000
S&E-related occupations	218,000	414,000	472,000	404,000	505,000	525,000	608,000
Non-S&E occupations	548,000	729,000	809,000	811,000	923,000	1,025,000	1,031,000
Black or African American	847,000	1,131,000	1,275,000	1,358,000	1,513,000	1,551,000	1,677,000
S&E occupations	119,000	143,000	165,000	204,000	214,000	244,000	255,000
Biological, agricultural, and other life scientists	7,000	11,000	8,000	7,000	10,000	11,000	12,000
Computer and mathematical scientists	57,000	70,000	96,000	112,000	132,000	144,000	159,000
Physical and related scientists	6,000	7,000	7,000	9,000	6,000	11,000	12,000
Social and related scientists	10,000	10,000	8,000	19,000	14,000	14,000	16,000
Engineers	40,000	45,000	46,000	58,000	51,000	65,000	55,000
S&E-related occupations	86,000	144,000	171,000	213,000	248,000	257,000	268,000
Non-S&E occupations	641,000	844,000	939,000	941,000	1,051,000	1,049,000	1,154,000
Native Hawaiian or Other Pacific Islander	52,000	67,000	75,000	107,000	70,000	78,000	70,000
S&E occupations	11,000	9,000	9,000	9,000	19,000	14,000	11,000
Biological, agricultural, and other life scientists	D	S	1,000	D	*	D	D
Computer and mathematical scientists	6,000	2,000	4,000	5,000	9,000	S	5,000
Physical and related scientists	D	*	D	D	D	D	S
Social and related scientists	D	D	D	*	D	*	*
Engineers	4,000	4,000	4,000	4,000	8,000	7,000	5,000
S&E-related occupations	9,000	17,000	12,000	8,000	7,000	S	18,000
Non-S&E occupations	33,000	41,000	53,000	90,000	45,000	42,000	41,000
White	14,239,000	15,910,000	16,529,000	16,913,000	17,044,000	17,264,000	17,663,000
S&E occupations	2,605,000	2,780,000	2,902,000	3,123,000	3,209,000	3,461,000	3,557,000
Biological, agricultural, and other life scientists	199,000	228,000	242,000	241,000	218,000	227,000	278,000
Computer and mathematical scientists	1,004,000	1,210,000	1,319,000	1,504,000	1,584,000	1,740,000	1,732,000
Physical and related scientists	176,000	184,000	170,000	169,000	194,000	196,000	191,000
Social and related scientists	190,000	183,000	188,000	168,000	186,000	185,000	206,000

TABLE 6-2

Employed college graduates, by sex, race, ethnicity, and major occupation: 2003–21

(Number)

Sex, ethnicity, race, and occupation	2003	2010	2013	2015	2017	2019	2021
Engineers	1,037,000	975,000	984,000	1,041,000	1,027,000	1,114,000	1,151,000
S&E-related occupations	1,864,000	2,297,000	2,317,000	2,363,000	2,412,000	2,562,000	2,763,000
Non-S&E occupations	9,770,000	10,833,000	11,309,000	11,427,000	11,423,000	11,240,000	11,343,000
More than one race	193,000	252,000	292,000	432,000	396,000	490,000	612,000
S&E occupations	41,000	51,000	61,000	72,000	73,000	100,000	124,000
Biological, agricultural, and other life scientists	3,000	5,000	6,000	5,000	5,000	7,000	S
Computer and mathematical scientists	18,000	26,000	35,000	41,000	38,000	60,000	76,000
Physical and related scientists	2,000	3,000	2,000	2,000	3,000	3,000	6,000
Social and related scientists	3,000	4,000	3,000	3,000	4,000	3,000	3,000
Engineers	15,000	14,000	16,000	21,000	23,000	27,000	28,000
S&E-related occupations	27,000	29,000	52,000	56,000	48,000	76,000	60,000
Non-S&E occupations	126,000	172,000	180,000	305,000	276,000	313,000	429,000

* = 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. Hispanic or Latino may be any race; race categories exclude Hispanic origin.

Source(s):
National Center for Science and Engineering Statistics, National Survey of College Graduates.

TABLE 6-3

Employed college graduates, by sex, level of highest degree, and major occupation: 2003–21

(Number)

Sex, level of highest degree, and occupation	2003	2010	2013	2015	2017	2019	2021
Both sexes	32,574,000	40,623,000	43,839,000	45,941,000	48,223,000	50,524,000	51,764,000
S&E occupations	4,588,000	5,374,000	5,766,000	6,407,000	6,769,000	7,466,000	7,894,000
Biological, agricultural, and other life scientists	421,000	602,000	638,000	631,000	610,000	698,000	794,000
Computer and mathematical scientists	1,930,000	2,396,000	2,653,000	3,156,000	3,419,000	3,774,000	4,031,000
Physical and related scientists	298,000	327,000	324,000	331,000	366,000	409,000	408,000
Social and related scientists	477,000	518,000	596,000	570,000	646,000	663,000	712,000
Engineers	1,463,000	1,531,000	1,554,000	1,719,000	1,728,000	1,921,000	1,949,000
S&E-related occupations	5,155,000	6,966,000	7,508,000	7,867,000	8,271,000	8,893,000	9,522,000
Non-S&E occupations	22,831,000	28,282,000	30,566,000	31,667,000	33,183,000	34,165,000	34,349,000
Bachelor's	20,365,000	25,354,000	27,802,000	28,509,000	30,131,000	31,373,000	31,688,000
S&E occupations	2,529,000	2,980,000	3,288,000	3,518,000	3,846,000	4,176,000	4,438,000
Biological, agricultural, and other life scientists	146,000	233,000	264,000	241,000	230,000	277,000	295,000
Computer and mathematical scientists	1,243,000	1,564,000	1,785,000	1,978,000	2,219,000	2,403,000	2,574,000
Physical and related scientists	119,000	126,000	128,000	126,000	164,000	189,000	177,000
Social and related scientists	101,000	96,000	124,000	90,000	172,000	147,000	170,000
Engineers	920,000	960,000	988,000	1,083,000	1,061,000	1,158,000	1,222,000
S&E-related occupations	2,779,000	3,784,000	4,065,000	4,222,000	4,338,000	4,794,000	5,031,000
Non-S&E occupations	15,057,000	18,589,000	20,449,000	20,769,000	21,946,000	22,403,000	22,219,000
Master's	8,677,000	11,118,000	11,728,000	12,888,000	13,260,000	14,158,000	14,688,000
S&E occupations	1,406,000	1,644,000	1,689,000	2,076,000	2,069,000	2,286,000	2,411,000
Biological, agricultural, and other life scientists	94,000	152,000	158,000	169,000	149,000	152,000	188,000
Computer and mathematical scientists	581,000	717,000	744,000	1,048,000	1,039,000	1,168,000	1,251,000
Physical and related scientists	82,000	87,000	83,000	85,000	98,000	97,000	105,000
Social and related scientists	205,000	218,000	249,000	249,000	235,000	249,000	283,000
Engineers	443,000	472,000	456,000	525,000	548,000	619,000	584,000
S&E-related occupations	1,208,000	1,765,000	1,945,000	2,064,000	2,262,000	2,332,000	2,578,000
Non-S&E occupations	6,063,000	7,709,000	8,093,000	8,749,000	8,929,000	9,540,000	9,699,000
Doctorate	1,271,000	1,500,000	1,551,000	1,641,000	1,796,000	2,090,000	2,141,000
S&E occupations	605,000	692,000	724,000	751,000	786,000	938,000	962,000
Biological, agricultural, and other life scientists	164,000	199,000	202,000	207,000	217,000	254,000	291,000
Computer and mathematical scientists	95,000	108,000	112,000	117,000	150,000	189,000	185,000
Physical and related scientists	94,000	114,000	112,000	119,000	101,000	121,000	125,000
Social and related scientists	154,000	173,000	190,000	201,000	201,000	235,000	221,000
Engineers	97,000	97,000	108,000	107,000	116,000	139,000	141,000
S&E-related occupations	123,000	224,000	236,000	229,000	267,000	387,000	374,000
Non-S&E occupations	543,000	584,000	590,000	662,000	743,000	765,000	805,000
Professional	2,261,000	2,651,000	2,758,000	2,903,000	3,036,000	2,903,000	3,246,000
S&E occupations	49,000	58,000	64,000	63,000	67,000	67,000	82,000
Biological, agricultural, and other life scientists	17,000	17,000	14,000	14,000	15,000	14,000	20,000
Computer and mathematical scientists	11,000	7,000	11,000	13,000	11,000	14,000	22,000
Physical and related scientists	2,000	*	1,000	*	2,000	2,000	1,000
Social and related scientists	17,000	31,000	35,000	30,000	37,000	32,000	38,000
Engineers	2,000	1,000	2,000	5,000	2,000	5,000	S
S&E-related occupations	1,045,000	1,193,000	1,262,000	1,353,000	1,404,000	1,380,000	1,538,000
Non-S&E occupations	1,167,000	1,399,000	1,433,000	1,487,000	1,565,000	1,456,000	1,626,000
Female	15,111,000	19,978,000	22,052,000	23,218,000	24,900,000	26,341,000	26,493,000
S&E occupations	1,203,000	1,486,000	1,681,000	1,818,000	1,966,000	2,193,000	2,300,000
Biological, agricultural, and other life scientists	164,000	292,000	311,000	302,000	292,000	337,000	367,000
Computer and mathematical scientists	552,000	602,000	673,000	833,000	919,000	975,000	1,053,000
Physical and related scientists	83,000	98,000	100,000	92,000	107,000	142,000	135,000
Social and related scientists	251,000	295,000	363,000	341,000	379,000	428,000	433,000

TABLE 6-3

Employed college graduates, by sex, level of highest degree, and major occupation: 2003–21

(Number)

Sex, level of highest degree, and occupation	2003	2010	2013	2015	2017	2019	2021
Engineers	154,000	200,000	235,000	250,000	269,000	310,000	312,000
S&E-related occupations	2,814,000	3,877,000	4,223,000	4,558,000	4,764,000	5,109,000	5,494,000
Non-S&E occupations	11,094,000	14,615,000	16,147,000	16,842,000	18,170,000	19,040,000	18,699,000
Bachelor's	9,522,000	12,592,000	13,904,000	14,206,000	15,524,000	16,021,000	15,827,000
S&E occupations	605,000	720,000	832,000	818,000	979,000	1,034,000	1,099,000
Biological, agricultural, and other life scientists	62,000	136,000	139,000	127,000	119,000	129,000	140,000
Computer and mathematical scientists	363,000	383,000	435,000	456,000	570,000	568,000	612,000
Physical and related scientists	40,000	43,000	49,000	39,000	49,000	78,000	62,000
Social and related scientists	50,000	51,000	74,000	53,000	92,000	95,000	106,000
Engineers	89,000	106,000	134,000	143,000	149,000	163,000	179,000
S&E-related occupations	1,719,000	2,335,000	2,494,000	2,567,000	2,654,000	2,845,000	3,044,000
Non-S&E occupations	7,198,000	9,538,000	10,579,000	10,821,000	11,891,000	12,142,000	11,685,000
Master's	4,431,000	5,838,000	6,479,000	7,196,000	7,359,000	8,141,000	8,314,000
S&E occupations	407,000	516,000	575,000	708,000	670,000	757,000	816,000
Biological, agricultural, and other life scientists	41,000	74,000	84,000	80,000	75,000	83,000	100,000
Computer and mathematical scientists	166,000	192,000	211,000	340,000	298,000	340,000	384,000
Physical and related scientists	27,000	33,000	28,000	33,000	39,000	37,000	43,000
Social and related scientists	119,000	141,000	170,000	164,000	155,000	171,000	180,000
Engineers	54,000	77,000	82,000	91,000	104,000	126,000	108,000
S&E-related occupations	729,000	1,043,000	1,156,000	1,338,000	1,405,000	1,469,000	1,580,000
Non-S&E occupations	3,295,000	4,279,000	4,748,000	5,150,000	5,284,000	5,915,000	5,918,000
Doctorate	422,000	521,000	597,000	646,000	734,000	900,000	887,000
S&E occupations	170,000	215,000	239,000	261,000	279,000	365,000	343,000
Biological, agricultural, and other life scientists	55,000	74,000	80,000	88,000	90,000	118,000	118,000
Computer and mathematical scientists	20,000	24,000	25,000	30,000	46,000	61,000	51,000
Physical and related scientists	15,000	22,000	22,000	20,000	19,000	28,000	30,000
Social and related scientists	70,000	79,000	94,000	107,000	108,000	139,000	120,000
Engineers	10,000	17,000	18,000	15,000	16,000	20,000	25,000
S&E-related occupations	51,000	86,000	100,000	107,000	126,000	188,000	197,000
Non-S&E occupations	200,000	220,000	258,000	278,000	328,000	346,000	347,000
Professional	736,000	1,027,000	1,072,000	1,170,000	1,283,000	1,280,000	1,466,000
S&E occupations	21,000	35,000	35,000	31,000	37,000	36,000	42,000
Biological, agricultural, and other life scientists	6,000	8,000	7,000	6,000	7,000	7,000	9,000
Computer and mathematical scientists	3,000	S	S	S	S	6,000	6,000
Physical and related scientists	D	D	D	D	D	D	D
Social and related scientists	11,000	23,000	24,000	17,000	25,000	22,000	27,000
Engineers	D	D	D	D	D	D	D
S&E-related occupations	314,000	413,000	474,000	546,000	579,000	607,000	674,000
Non-S&E occupations	401,000	578,000	563,000	594,000	667,000	637,000	750,000
Male	17,463,000	20,644,000	21,787,000	22,723,000	23,323,000	24,183,000	25,271,000
S&E occupations	3,385,000	3,888,000	4,084,000	4,590,000	4,803,000	5,274,000	5,594,000
Biological, agricultural, and other life scientists	257,000	310,000	328,000	329,000	319,000	361,000	427,000
Computer and mathematical scientists	1,378,000	1,795,000	1,980,000	2,323,000	2,500,000	2,799,000	2,979,000
Physical and related scientists	215,000	229,000	224,000	239,000	259,000	267,000	273,000
Social and related scientists	226,000	223,000	234,000	229,000	266,000	235,000	279,000
Engineers	1,309,000	1,331,000	1,319,000	1,469,000	1,459,000	1,612,000	1,636,000
S&E-related occupations	2,341,000	3,089,000	3,285,000	3,309,000	3,507,000	3,785,000	4,028,000
Non-S&E occupations	11,736,000	13,667,000	14,418,000	14,824,000	15,013,000	15,125,000	15,649,000
Bachelor's	10,843,000	12,761,000	13,898,000	14,303,000	14,606,000	15,353,000	15,861,000
S&E occupations	1,925,000	2,260,000	2,457,000	2,700,000	2,867,000	3,142,000	3,339,000
Biological, agricultural, and other life scientists	84,000	98,000	125,000	114,000	110,000	148,000	155,000

TABLE 6-3

Employed college graduates, by sex, level of highest degree, and major occupation: 2003–21

(Number)

Sex, level of highest degree, and occupation	2003	2010	2013	2015	2017	2019	2021
Computer and mathematical scientists	880,000	1,181,000	1,350,000	1,522,000	1,649,000	1,835,000	1,961,000
Physical and related scientists	79,000	83,000	79,000	87,000	115,000	112,000	116,000
Social and related scientists	51,000	44,000	49,000	37,000	80,000	52,000	64,000
Engineers	831,000	854,000	853,000	940,000	912,000	995,000	1,043,000
S&E-related occupations	1,060,000	1,450,000	1,571,000	1,655,000	1,685,000	1,949,000	1,988,000
Non-S&E occupations	7,858,000	9,052,000	9,871,000	9,948,000	10,055,000	10,262,000	10,534,000
Master's	4,247,000	5,280,000	5,249,000	5,692,000	5,901,000	6,017,000	6,375,000
S&E occupations	999,000	1,129,000	1,114,000	1,367,000	1,399,000	1,529,000	1,595,000
Biological, agricultural, and other life scientists	54,000	78,000	74,000	88,000	74,000	69,000	88,000
Computer and mathematical scientists	415,000	525,000	533,000	708,000	741,000	828,000	867,000
Physical and related scientists	55,000	54,000	55,000	53,000	59,000	60,000	61,000
Social and related scientists	86,000	77,000	79,000	85,000	80,000	78,000	102,000
Engineers	389,000	395,000	374,000	434,000	445,000	493,000	476,000
S&E-related occupations	479,000	721,000	790,000	726,000	857,000	864,000	998,000
Non-S&E occupations	2,769,000	3,430,000	3,346,000	3,599,000	3,645,000	3,625,000	3,781,000
Doctorate	849,000	979,000	954,000	996,000	1,062,000	1,190,000	1,254,000
S&E occupations	434,000	477,000	485,000	490,000	507,000	573,000	619,000
Biological, agricultural, and other life scientists	109,000	125,000	122,000	119,000	127,000	137,000	173,000
Computer and mathematical scientists	75,000	85,000	87,000	87,000	104,000	128,000	134,000
Physical and related scientists	79,000	92,000	90,000	99,000	82,000	94,000	95,000
Social and related scientists	84,000	94,000	95,000	94,000	93,000	95,000	101,000
Engineers	88,000	81,000	90,000	92,000	101,000	119,000	116,000
S&E-related occupations	72,000	138,000	136,000	122,000	140,000	199,000	177,000
Non-S&E occupations	343,000	364,000	333,000	384,000	415,000	419,000	458,000
Professional	1,524,000	1,624,000	1,686,000	1,732,000	1,754,000	1,623,000	1,781,000
S&E occupations	27,000	23,000	29,000	32,000	30,000	30,000	41,000
Biological, agricultural, and other life scientists	11,000	9,000	7,000	8,000	8,000	7,000	11,000
Computer and mathematical scientists	8,000	4,000	9,000	7,000	7,000	8,000	15,000
Physical and related scientists	S	*	D	D	2,000	1,000	S
Social and related scientists	5,000	8,000	11,000	13,000	12,000	10,000	12,000
Engineers	1,000	S	2,000	4,000	1,000	5,000	S
S&E-related occupations	730,000	780,000	788,000	807,000	825,000	773,000	865,000
Non-S&E occupations	767,000	821,000	870,000	893,000	898,000	819,000	876,000

* = 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.

TABLE 6-4

Employed college graduates, by nativity, level of highest degree, and major occupation: 2003–21

(Number)

Nativity, level of highest degree, and occupation	2003	2010	2013	2015	2017	2019	2021
All college graduates, all degrees, all occupations	32,574,000	40,623,000	43,839,000	45,941,000	48,223,000	50,524,000	51,764,000
S&E occupations	4,588,000	5,374,000	5,766,000	6,407,000	6,769,000	7,466,000	7,894,000
Biological, agricultural, and other life scientists	421,000	602,000	638,000	631,000	610,000	698,000	794,000
Computer and mathematical scientists	1,930,000	2,396,000	2,653,000	3,156,000	3,419,000	3,774,000	4,031,000
Physical and related scientists	298,000	327,000	324,000	331,000	366,000	409,000	408,000
Social and related scientists	477,000	518,000	596,000	570,000	646,000	663,000	712,000
Engineers	1,463,000	1,531,000	1,554,000	1,719,000	1,728,000	1,921,000	1,949,000
S&E-related occupations	5,155,000	6,966,000	7,508,000	7,867,000	8,271,000	8,893,000	9,522,000
Non-S&E occupations	22,831,000	28,282,000	30,566,000	31,667,000	33,183,000	34,165,000	34,349,000
Bachelor's	20,365,000	25,354,000	27,802,000	28,509,000	30,131,000	31,373,000	31,688,000
S&E occupations	2,529,000	2,980,000	3,288,000	3,518,000	3,846,000	4,176,000	4,438,000
Biological, agricultural, and other life scientists	146,000	233,000	264,000	241,000	230,000	277,000	295,000
Computer and mathematical scientists	1,243,000	1,564,000	1,785,000	1,978,000	2,219,000	2,403,000	2,574,000
Physical and related scientists	119,000	126,000	128,000	126,000	164,000	189,000	177,000
Social and related scientists	101,000	96,000	124,000	90,000	172,000	147,000	170,000
Engineers	920,000	960,000	988,000	1,083,000	1,061,000	1,158,000	1,222,000
S&E-related occupations	2,779,000	3,784,000	4,065,000	4,222,000	4,338,000	4,794,000	5,031,000
Non-S&E occupations	15,057,000	18,589,000	20,449,000	20,769,000	21,946,000	22,403,000	22,219,000
Master's	8,677,000	11,118,000	11,728,000	12,888,000	13,260,000	14,158,000	14,688,000
S&E occupations	1,406,000	1,644,000	1,689,000	2,076,000	2,069,000	2,286,000	2,411,000
Biological, agricultural, and other life scientists	94,000	152,000	158,000	169,000	149,000	152,000	188,000
Computer and mathematical scientists	581,000	717,000	744,000	1,048,000	1,039,000	1,168,000	1,251,000
Physical and related scientists	82,000	87,000	83,000	85,000	98,000	97,000	105,000
Social and related scientists	205,000	218,000	249,000	249,000	235,000	249,000	283,000
Engineers	443,000	472,000	456,000	525,000	548,000	619,000	584,000
S&E-related occupations	1,208,000	1,765,000	1,945,000	2,064,000	2,262,000	2,332,000	2,578,000
Non-S&E occupations	6,063,000	7,709,000	8,093,000	8,749,000	8,929,000	9,540,000	9,699,000
Doctorate	1,271,000	1,500,000	1,551,000	1,641,000	1,796,000	2,090,000	2,141,000
S&E occupations	605,000	692,000	724,000	751,000	786,000	938,000	962,000
Biological, agricultural, and other life scientists	164,000	199,000	202,000	207,000	217,000	254,000	291,000
Computer and mathematical scientists	95,000	108,000	112,000	117,000	150,000	189,000	185,000
Physical and related scientists	94,000	114,000	112,000	119,000	101,000	121,000	125,000
Social and related scientists	154,000	173,000	190,000	201,000	201,000	235,000	221,000
Engineers	97,000	97,000	108,000	107,000	116,000	139,000	141,000
S&E-related occupations	123,000	224,000	236,000	229,000	267,000	387,000	374,000
Non-S&E occupations	543,000	584,000	590,000	662,000	743,000	765,000	805,000
Professional	2,261,000	2,651,000	2,758,000	2,903,000	3,036,000	2,903,000	3,246,000
S&E occupations	49,000	58,000	64,000	63,000	67,000	67,000	82,000
Biological, agricultural, and other life scientists	17,000	17,000	14,000	14,000	15,000	14,000	20,000
Computer and mathematical scientists	11,000	7,000	11,000	13,000	11,000	14,000	22,000
Physical and related scientists	2,000	*	1,000	*	2,000	2,000	1,000
Social and related scientists	17,000	31,000	35,000	30,000	37,000	32,000	38,000
Engineers	2,000	1,000	2,000	5,000	2,000	5,000	S
S&E-related occupations	1,045,000	1,193,000	1,262,000	1,353,000	1,404,000	1,380,000	1,538,000
Non-S&E occupations	1,167,000	1,399,000	1,433,000	1,487,000	1,565,000	1,456,000	1,626,000
Foreign-born college graduates, all degrees, all occupations	4,347,000	5,990,000	6,704,000	7,371,000	8,126,000	8,602,000	9,311,000
S&E occupations	1,032,000	1,467,000	1,528,000	1,923,000	1,998,000	2,192,000	2,261,000
Biological, agricultural, and other life scientists	105,000	178,000	184,000	189,000	199,000	229,000	246,000
Computer and mathematical scientists	490,000	731,000	804,000	1,078,000	1,135,000	1,263,000	1,325,000
Physical and related scientists	65,000	82,000	85,000	101,000	108,000	93,000	99,000

TABLE 6-4

Employed college graduates, by nativity, level of highest degree, and major occupation: 2003–21

(Number)

Nativity, level of highest degree, and occupation	2003	2010	2013	2015	2017	2019	2021
Social and related scientists	61,000	80,000	97,000	117,000	102,000	112,000	129,000
Engineers	312,000	395,000	358,000	438,000	454,000	495,000	462,000
S&E-related occupations	842,000	1,302,000	1,467,000	1,356,000	1,630,000	1,802,000	1,930,000
Non-S&E occupations	2,472,000	3,221,000	3,709,000	4,092,000	4,499,000	4,609,000	5,120,000
Bachelor's	2,418,000	3,294,000	3,807,000	4,072,000	4,464,000	4,672,000	5,036,000
S&E occupations	408,000	609,000	621,000	745,000	829,000	878,000	887,000
Biological, agricultural, and other life scientists	16,000	36,000	35,000	37,000	38,000	47,000	46,000
Computer and mathematical scientists	226,000	363,000	397,000	476,000	539,000	591,000	612,000
Physical and related scientists	17,000	16,000	19,000	22,000	45,000	22,000	20,000
Social and related scientists	10,000	18,000	15,000	13,000	22,000	19,000	22,000
Engineers	139,000	175,000	154,000	197,000	184,000	199,000	187,000
S&E-related occupations	422,000	671,000	764,000	656,000	768,000	895,000	981,000
Non-S&E occupations	1,588,000	2,014,000	2,422,000	2,672,000	2,867,000	2,899,000	3,168,000
Master's	1,237,000	1,826,000	1,964,000	2,291,000	2,559,000	2,706,000	2,980,000
S&E occupations	399,000	562,000	580,000	842,000	811,000	873,000	926,000
Biological, agricultural, and other life scientists	16,000	43,000	42,000	46,000	46,000	46,000	52,000
Computer and mathematical scientists	217,000	310,000	343,000	533,000	505,000	553,000	599,000
Physical and related scientists	16,000	20,000	21,000	24,000	23,000	20,000	27,000
Social and related scientists	24,000	28,000	33,000	58,000	32,000	40,000	53,000
Engineers	126,000	162,000	141,000	182,000	203,000	214,000	194,000
S&E-related occupations	157,000	273,000	340,000	336,000	443,000	453,000	497,000
Non-S&E occupations	681,000	991,000	1,044,000	1,113,000	1,306,000	1,380,000	1,557,000
Doctorate	351,000	499,000	498,000	536,000	599,000	753,000	770,000
S&E occupations	213,000	279,000	300,000	318,000	339,000	420,000	427,000
Biological, agricultural, and other life scientists	65,000	90,000	98,000	97,000	105,000	127,000	139,000
Computer and mathematical scientists	45,000	55,000	59,000	68,000	88,000	114,000	110,000
Physical and related scientists	31,000	46,000	44,000	55,000	40,000	51,000	53,000
Social and related scientists	25,000	32,000	37,000	39,000	41,000	48,000	46,000
Engineers	47,000	57,000	62,000	58,000	65,000	79,000	80,000
S&E-related occupations	34,000	86,000	79,000	87,000	103,000	155,000	127,000
Non-S&E occupations	104,000	133,000	119,000	131,000	157,000	178,000	217,000
Professional	340,000	371,000	435,000	472,000	504,000	471,000	525,000
S&E occupations	12,000	17,000	27,000	18,000	19,000	21,000	21,000
Biological, agricultural, and other life scientists	7,000	10,000	10,000	9,000	9,000	8,000	9,000
Computer and mathematical scientists	2,000	S	4,000	2,000	S	5,000	S
Physical and related scientists	D	D	D	D	D	D	D
Social and related scientists	2,000	3,000	11,000	6,000	7,000	5,000	8,000
Engineers	D	D	D	D	D	D	D
S&E-related occupations	230,000	271,000	283,000	277,000	316,000	298,000	325,000
Non-S&E occupations	99,000	83,000	124,000	177,000	169,000	152,000	179,000
U.S.-born college graduates, all degrees, all occupations	28,228,000	34,633,000	37,136,000	38,570,000	40,097,000	41,922,000	42,453,000
S&E occupations	3,556,000	3,907,000	4,238,000	4,484,000	4,771,000	5,275,000	5,633,000
Biological, agricultural, and other life scientists	316,000	423,000	454,000	442,000	412,000	469,000	548,000
Computer and mathematical scientists	1,440,000	1,665,000	1,849,000	2,078,000	2,284,000	2,512,000	2,707,000
Physical and related scientists	233,000	245,000	239,000	230,000	258,000	316,000	309,000
Social and related scientists	416,000	438,000	499,000	453,000	544,000	551,000	583,000
Engineers	1,150,000	1,136,000	1,196,000	1,281,000	1,274,000	1,427,000	1,487,000
S&E-related occupations	4,313,000	5,665,000	6,041,000	6,511,000	6,642,000	7,092,000	7,592,000
Non-S&E occupations	20,358,000	25,061,000	26,857,000	27,574,000	28,684,000	29,556,000	29,228,000
Bachelor's	17,947,000	22,060,000	23,995,000	24,437,000	25,667,000	26,701,000	26,652,000

TABLE 6-4

Employed college graduates, by nativity, level of highest degree, and major occupation: 2003–21

(Number)

Nativity, level of highest degree, and occupation	2003	2010	2013	2015	2017	2019	2021
S&E occupations	2,121,000	2,372,000	2,667,000	2,773,000	3,018,000	3,298,000	3,551,000
Biological, agricultural, and other life scientists	130,000	198,000	229,000	204,000	192,000	230,000	249,000
Computer and mathematical scientists	1,017,000	1,201,000	1,388,000	1,502,000	1,680,000	1,812,000	1,962,000
Physical and related scientists	102,000	110,000	108,000	104,000	119,000	168,000	158,000
Social and related scientists	92,000	78,000	109,000	77,000	150,000	128,000	148,000
Engineers	781,000	785,000	833,000	886,000	876,000	959,000	1,035,000
S&E-related occupations	2,358,000	3,113,000	3,301,000	3,566,000	3,570,000	3,899,000	4,050,000
Non-S&E occupations	13,469,000	16,575,000	18,028,000	18,098,000	19,079,000	19,504,000	19,051,000
Master's	7,440,000	9,292,000	9,764,000	10,597,000	10,701,000	11,452,000	11,708,000
S&E occupations	1,006,000	1,082,000	1,110,000	1,233,000	1,258,000	1,413,000	1,485,000
Biological, agricultural, and other life scientists	78,000	109,000	116,000	123,000	102,000	107,000	136,000
Computer and mathematical scientists	364,000	406,000	402,000	515,000	533,000	616,000	653,000
Physical and related scientists	66,000	67,000	62,000	61,000	75,000	77,000	77,000
Social and related scientists	181,000	190,000	215,000	191,000	203,000	209,000	230,000
Engineers	317,000	310,000	315,000	343,000	345,000	405,000	390,000
S&E-related occupations	1,052,000	1,492,000	1,605,000	1,728,000	1,820,000	1,880,000	2,081,000
Non-S&E occupations	5,382,000	6,718,000	7,049,000	7,635,000	7,623,000	8,160,000	8,142,000
Doctorate	920,000	1,001,000	1,053,000	1,105,000	1,197,000	1,337,000	1,371,000
S&E occupations	392,000	412,000	424,000	433,000	447,000	518,000	535,000
Biological, agricultural, and other life scientists	99,000	109,000	105,000	110,000	112,000	127,000	152,000
Computer and mathematical scientists	50,000	53,000	53,000	49,000	62,000	75,000	75,000
Physical and related scientists	63,000	68,000	68,000	64,000	61,000	70,000	72,000
Social and related scientists	129,000	142,000	152,000	162,000	160,000	186,000	176,000
Engineers	51,000	40,000	47,000	49,000	51,000	60,000	60,000
S&E-related occupations	89,000	138,000	157,000	141,000	164,000	231,000	247,000
Non-S&E occupations	439,000	451,000	472,000	531,000	586,000	588,000	588,000
Professional	1,920,000	2,280,000	2,323,000	2,431,000	2,532,000	2,432,000	2,722,000
S&E occupations	37,000	41,000	37,000	45,000	48,000	46,000	61,000
Biological, agricultural, and other life scientists	10,000	7,000	4,000	6,000	6,000	6,000	11,000
Computer and mathematical scientists	10,000	5,000	7,000	12,000	8,000	9,000	17,000
Physical and related scientists	S	D	D	*	2,000	2,000	1,000
Social and related scientists	14,000	28,000	23,000	23,000	30,000	28,000	30,000
Engineers	2,000	D	2,000	4,000	S	3,000	S
S&E-related occupations	815,000	922,000	978,000	1,076,000	1,088,000	1,082,000	1,214,000
Non-S&E occupations	1,068,000	1,317,000	1,309,000	1,310,000	1,396,000	1,304,000	1,447,000

* = 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.

Technical Notes

Survey Overview

Purpose. The National Survey of College Graduates (NSCG) provides data on the characteristics of the nation's college graduates, with a focus on those in the science and engineering (S&E) workforce. It samples individuals who are living in the United States during the survey reference week, have earned at least a bachelor's degree, and are younger than 76. By surveying college graduates in all academic disciplines, the NSCG provides data useful in understanding the relationship between college education and career opportunities, as well as the relationship between degree field and occupation.

The NSCG is designed to provide demographic, education, and career history information about college graduates and to complement another survey conducted by the National Center for Science and Engineering Statistics (NCSES): the Survey of Doctorate Recipients (SDR, **https://www.nsf.gov/statistics/srvydoctoratework/**). These two surveys share a common reference date, and they use similar questionnaires and data processing guidelines.

The 2021 NSCG data collection instrument included new questions to gauge the effects of the coronavirus pandemic on employment, specifically on labor force status, number of hours worked per week, salary, benefits, telecommuting options, and total earned income.

These technical notes provide an overview of the 2021 NSCG. Complete details are provided in the 2021 NSCG Methodology Report, available upon request from the NSCG Survey Manager.

Data collection authority. The information collected in the NSCG is solicited under the authority of the National Science Foundation Act of 1950, as amended, and the America COMPETES Reauthorization Act of 2010. The Census Bureau collects the NSCG data, on behalf of NCSES, under the authority of Title 13, Section 8 of the United States Code. The Office of Management and Budget control number is 3145-0141.

Survey contractor. Census Bureau.

Survey sponsor. NCSES.

Key Survey Information

Frequency. Biennial.

Initial survey year. 1993.

Reference period. The week of 1 February 2021.

Response unit. Individual.

Sample or census. Sample.

Population size. Approximately 68.6 million individuals.

Sample size. Approximately 164,000 individuals.

Survey Design

Target population. The NSCG target population includes individuals who meet the following criteria:

- Earned a bachelor's degree[1] or higher prior to 1 January 2020
- Are not institutionalized and reside in the United States or Puerto Rico as of 1 February 2021

- Are younger than 76 years as of 1 February 2021

Sampling frame. Using a rotating panel design, the 2021 NSCG includes new sample cases from the 2019 American Community Survey (ACS) and returning sample cases from the 2019 NSCG.

The NSCG sampling frame for new sample cases included the following eligibility requirements:

- Were residing in the United States or Puerto Rico as of the ACS interview date
- Were noninstitutionalized as of the ACS interview date
- Had earned at least a bachelor's degree as of the ACS interview date
- Would be under the age of 76 as of 1 February 2021
- Did not have an inaccurate name or incomplete address on the ACS data file

Returning sample cases from the 2019 NSCG originated from three different frames (the 2013 ACS, 2015 ACS, and 2017 ACS) and had the following eligibility requirements:

- Were a complete interview or temporarily ineligible during their initial NSCG survey cycle
- Would be under the age of 76 as of 1 February 2021
- During the 2019 NSCG survey cycle, did not refuse to participate and request to be excluded from future NSCG cycles

Sample design. The NSCG sample design is cross-sectional with a rotating panel element. As a cross-sectional study, the NSCG provides estimates of the size and characteristics of the college graduate population for a point in time. As part of the rotating panel design, every new panel receives a baseline survey interview and three biennial follow-up interviews before rotating out of the survey.

The NSCG uses a stratified sampling design to select its sample from the eligible sampling frame. In the new sample, cases were selected using systematic probability proportional to size (PPS) sampling.[2] Among the returning sample, all eligible cases were selected. The sampling strata were defined by the cross-classification of the following four variables:

- Young graduate oversample group eligibility indicator (2 levels)
- Demographic group (9 levels)
- Highest degree type (3 levels)
- Detailed occupation group (25 levels)

As has been the case since the 2013 NSCG, the 2021 NSCG includes an oversample of young graduates to improve the precision of estimates for this important population. The 2021 NSCG includes approximately 164,000 sample cases drawn from the following:

- Returning sample from the 2019 NSCG who were originally selected from the 2013 ACS
- Returning sample from the 2019 NSCG who were originally selected from the 2015 ACS
- Returning sample from the 2019 NSCG who were originally selected from the 2017 ACS
- New sample selected from the 2019 ACS

Approximately 90,000 cases were selected from the returning sample members for one of the three biennial follow-up interviews that are part of the rotating panel design. For the baseline survey interview, about 74,000 new sample cases were selected from the 2019 ACS.

Data Collection and Processing Methods

Data collection. The data collection period lasted approximately 7 months (8 April 2021 to 1 November 2021). The NSCG used a trimodal data collection approach: self-administered online survey (Web), self-administered paper questionnaire (via mail), and computer-assisted telephone interview (CATI). Individuals in the sample generally were started in the Web mode, depending on their available contact information and past preference. After an initial survey invitation, the data collection protocol included sequential contacts by postal mail, e-mail, and telephone that ran throughout the data collection period. At any time during data collection, sample members could choose to complete the survey using any of the three modes. Nonrespondents to the initial survey invitation received follow-up contacts via alternate modes.

Quality assurance procedures were in place at each data collection step (e.g., address updating, printing, package assembly and mailing, questionnaire receipt, data entry, CATI, coding, and post-data collection processing).

Mode. About 89% of the participants completed the survey by Web, 7% by mail, and 4% by CATI.

Response rates. Response rates were calculated on complete responses, that is, from instruments with responses to all critical items. Critical items are those containing information needed to report labor force participation (including employment status, job title, and job description), college education (including degree type, degree date, and field of study), and location of residency on the reference date. The overall unweighted response rate was 67%; the weighted response rate was 65%. Of the roughly 164,000 persons in the 2021 NSCG sample, 106,279 completed the survey.

Data editing. Response data had initial editing rules applied relative to the specific mode of capture to check internal consistency and valid range of response. The Web survey captured most of the survey responses and had internal editing controls where appropriate. A computer-assisted data entry (CADE) system was used to process the mailed paper forms. Responses from the three separate modes were merged for subsequent coding, editing, and cleaning necessary to create an analytical database.

Following established NCSES guidelines for coding NSCG survey data, including verbatim responses, staff were trained in conducting a standardized review and coding of occupation and education information, certifications, “other/specify” verbatim responses, state and country geographical information, and postsecondary institution information. For standardized coding of occupation (including auto-coding), the respondent's reported job title, duties and responsibilities, and other work-related information from the questionnaire were reviewed by specially trained coders who corrected respondents’ self-reporting errors to obtain the best occupation codes. For standardized coding of field of study associated with any reported degree (including auto-coding), the respondent’s reported department, degree level, and field of study information from the questionnaire were reviewed by specially trained coders who corrected respondents’ self-reporting errors to obtain the best field of study codes.

Imputation. Logical imputation was primarily accomplished as part of editing. In the editing phase, the answer to a question with missing data was sometimes determined by the answer to another question. In some circumstances, editing procedures found inconsistent data that were blanked out and therefore subject to statistical imputation.

The item nonresponse rates reflect data missing after logical imputation or editing but before statistical imputation. For key employment items—such as employment status, sector of employment, and primary work activity—the item nonresponse rates ranged from 0.0% to 1.1%. Nonresponse to questions deemed sensitive was higher: nonresponse to salary and earned income was 5.4% and 7.8%, respectively, for the new sample members and 4.7% and 6.8%, respectively, for the returning members. Personal demographic data of the new sample members had variable item nonresponse rates, with sex at 0.00%, birth year at 0.04%, marital status at 0.6%, citizenship at 0.4%, ethnicity at 1.4%, and race at 3.1%. The nonresponse rates for returning sample members were 0.8% for marital status and 0.7% for citizenship.

Item nonresponse was typically addressed using statistical imputation methods. Most NSCG variables were subjected to hot-deck imputation, with each variable having its own class and sort variables chosen by regression modeling to identify nearest neighbors for imputed information. For some variables, there was no set of class and sort variables that was reliably related to or suitable for predicting the missing value, such as day of birth. In these instances, random imputation was used, so that the distribution of imputed values was similar to the distribution of reported values without using class or sort variables.

Imputation was not performed on critical items or on verbatim-based variables. In addition, for some missing demographic information, the NSCG imported the corresponding data from the ACS, which had performed its own imputation.

Weighting. Because the NSCG is based on a complex sampling design and subject to nonresponse bias, sampling weights were created for each respondent to support unbiased population estimates. The final analysis weights account for several factors, including the following:

- Adjustments to account for undercoverage of recent immigrants and undercoverage of recent degree-earners
- Adjustment for incorrect names or incomplete address information on the sampling frame
- Differential sampling rates
- Adjustments to account for non-locatability and unit nonresponse
- Adjustments to align the sample distribution with population controls
- Trimming of extreme weights
- Overlap procedures to convert weights that reflect the population of each individual frame (2013 ACS, 2015 ACS, 2017 ACS, and 2019 ACS) into a final sample weight that reflects the 2021 NSCG target population

The final sample weights enable data users to derive survey-based estimates of the NSCG target population. The variable name on the NSCG public use data files for the NSCG final sample weight is WTSURVY.

Variance estimation. The successive difference replication method (SDRM) was used to develop replicate weights for variance estimation. The theoretical basis for the SDRM is described in Wolter (1984) and in Fay and Train (1995). As with any replication method, successive difference replication involves constructing numerous subsamples (replicates) from the full sample and computing the statistic of interest for each replicate. The mean square error of the replicate estimates around their corresponding full sample estimate provides an estimate of the sampling variance of the statistic of interest. The 2021 NSCG produced 320 sets of replicate weights.

Disclosure protection. To protect against the disclosure of confidential information provided by NSCG respondents, the estimates presented in NSCG data tables are rounded to the nearest 1,000.

Data table cell values based on counts of respondents that fall below a predetermined threshold are deemed to be sensitive to potential disclosure, and the letter “D” indicates this type of suppression in a table cell.

Survey Quality Measures

Sampling error. NSCG estimates are subject to sampling errors. Estimates of sampling errors associated with this survey were calculated using replicate weights. Data table estimates with coefficients of variation (that is, the estimate divided by the standard error) that exceed a predetermined threshold are deemed unreliable and are suppressed. The letter “S” indicates this type of suppression in a table cell.

Coverage error. Coverage error occurs in sample estimates when the sampling frame does not accurately represent the target population and is a type of nonsampling error. Any missed housing units or missed individuals within sample households in the ACS would create undercoverage in the NSCG. Additional undercoverage errors may exist because of self-reporting errors in the NSCG sampling frame that led to incorrect classification of individuals as not having a bachelor's degree or higher when in fact they held such a degree.

Nonresponse error. The weighted response rate for the 2021 NSCG was 65%; the unweighted response rate was 67%. Analyses of NSCG nonresponse trends were used to develop nonresponse weighting adjustments to minimize the potential for nonresponse bias in the NSCG estimates. A hot deck imputation method was used to compensate for item nonresponse.

Measurement error. The NSCG is subject to reporting errors from differences in interpretation of questions and by modality (Web, mail, CATI). To reduce measurement errors, the NSCG questionnaire items were pretested in focus groups and cognitive interviews.

Data Comparability and Changes

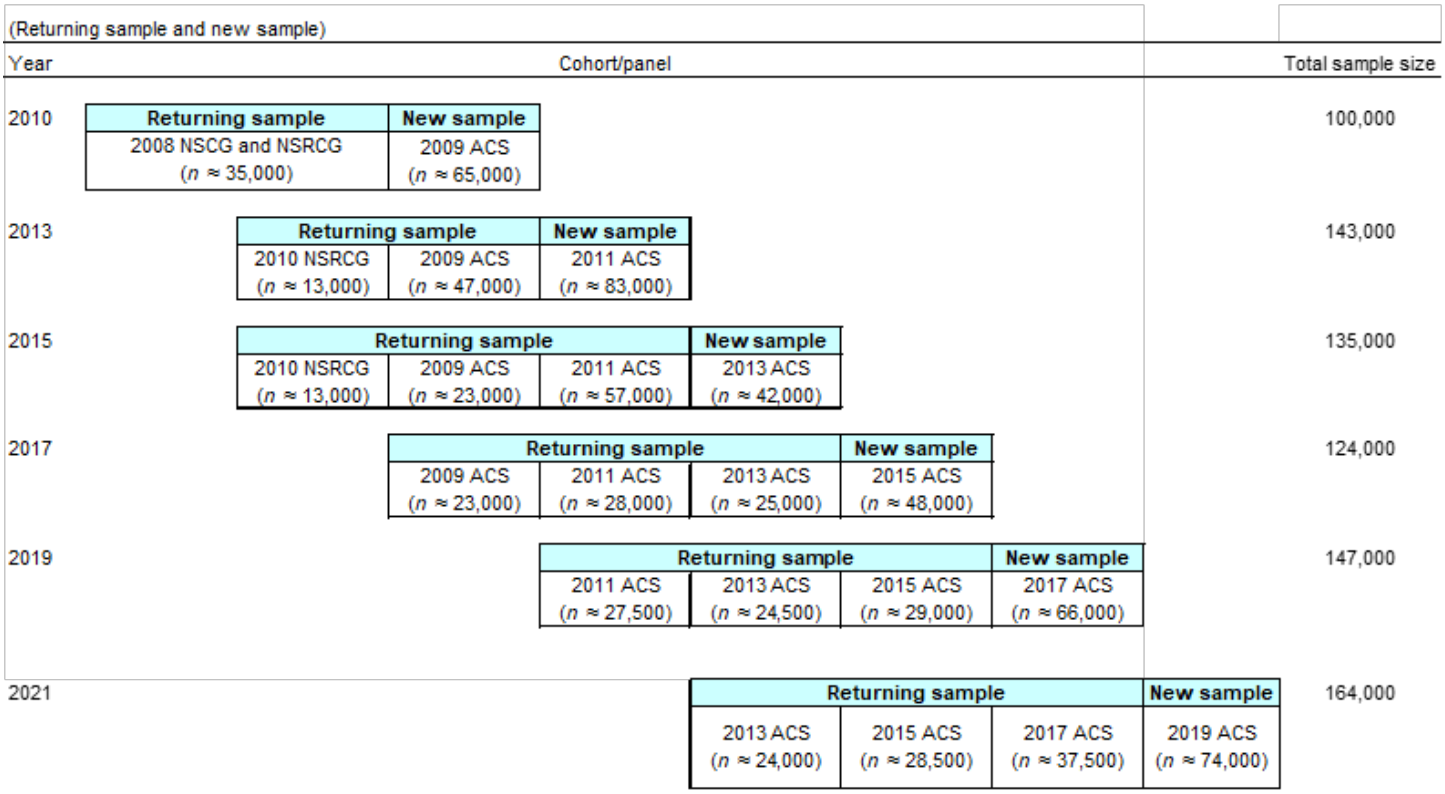
Data comparability. Year-to-year comparisons of the nation's college-educated population can be made among the 1993, 2003, 2010, 2013, 2015, 2017, 2019, and 2021 survey cycles because many of the core questions remained the same. Since the 1995, 1997, 1999, 2006, and 2008 surveys do not provide full coverage of the nation's college-educated population, any comparison between these cycles and other cycles should be limited to those individuals educated or employed in S&E fields.

Small but notable differences exist across some survey cycles, however, such as the collection of occupation and education data based on more recent taxonomies. Also, because of the use of different reference months in some survey cycles, seasonal differences may occur when making comparisons across years. Thus, use caution when interpreting cross-cycle comparisons.

There is overlap in the cases included in the 2010 NSCG through the 2017 NSCG, in the 2013 NSCG through the 2019 NSCG, and in the 2015 NSCG through the 2021 NSCG (see figure 1). The overlap among cases allows for longitudinal analysis of a subset of the NSCG sample using restricted use data files within NCSES' Secure Data Access Facility (SDAF). Cases can be linked across survey years using a unique identification variable and single-frame weights are available for each survey year, allowing for the evaluation of estimates from each frame independently. If you are interested in applying for a license to access restricted use NSCG data via the SDAF, please visit NCSES Restricted-Use Data Procedures Guide. Moreover, the Census Bureau offers NSCG restricted use data files that include a few additional data elements. These files can be accessed via the Federal Statistical Research Data Centers.

FIGURE 1

Rotating panel design and sample sizes for the National Survey of College Graduates: 2010–21



ACS = American Community Survey; NSCG = National Survey of College Graduates; NSRCG = National Survey of Recent College Graduates.

Note(s):
During a panel's second survey cycle (in which it is part of the returning sample for the first time), its members include individuals who responded or who were temporarily ineligible during the first cycle. During a panel's third and fourth cycles, its members include all respondents, nonrespondents, and temporarily ineligible cases from the preceding cycle. Beginning in 2013, the NSCG transitioned to a design that includes an oversample of young graduates to improve the precision of estimates for this important population.

Source(s):
National Center for Science and Engineering Statistics, National Science Foundation, National Survey of College Graduates.

Changes in survey coverage and population. None.

Changes in questionnaire

- 2021. To gauge the effects of the coronavirus pandemic on employment, the content of the NSCG questionnaire was modified for 2021 in two ways:

1. The response options of long-standing items were revised to identify pandemic-related consequences: for example, reasons for not working, reasons for working part time, reasons for changing employment, and available job benefits.
2. New items were added to understand the effects of the pandemic on salaries and earnings and to measure the prevalence of telework.

- 2019. The content of the 2019 NSCG questionnaire remained unchanged from the 2017 NSCG version.
- 2017. The 2017 NSCG questionnaire added two new questions about U.S. military veteran status that are asked on the ACS.
- 2015. The 2015 NSCG questionnaire added a section on professional certifications and licenses.

- 2013. The 2013 NSCG questionnaire added questions about attendance at community colleges, amounts borrowed to finance undergraduate and graduate degrees, and sources of financial support for undergraduate and graduate degrees. The 2013 questionnaire also differed from the 2010 questionnaire by splitting the first response category for the indicator of sample member location on the survey reference date into two categories. “United States, Puerto Rico, or another U.S. territory” became “United States or Puerto Rico” and “Another U.S. territory.”
- 2010. The 2010 NSCG questionnaire added items on components of job satisfaction, importance of job benefits, year of retirement, whether employer is a new business, and degree of difficulty concentrating, remembering, or making decisions.

Changes in reporting procedures or classification

- In past years, NSCG data were combined with data from the SDR and the NSRCG to form the Scientists and Engineers Statistical Data System (SESTAT). The last series of tables produced from SESTAT used 2013 NSCG data. Since then, NSCG data have been used in numerous tables for NCSES’s two congressionally mandated reports (***Science and Engineering Indicators*** and ***Women, Minorities, and Persons with Disabilities in Science and Engineering***).

Definitions

Field of degree. NSCG respondents are asked to report each degree they have earned at the bachelor’s level or higher, along with the major field of study for each degree. The 2021 NSCG used a taxonomy of 142 “detailed” fields of study from which respondents could select the field that best represented their major. These 142 “detailed” fields of study were aggregated into 31 “minor” fields, 7 “major” fields, and 3 “broad” fields (S&E, S&E-related, and non-S&E). (See **technical table A-1** for a list and classification of fields of study reported in the NSCG.)

Full-time and part-time employment. Full-time (working 35 hours or more per week) and part-time (working less than 35 hours per week) employment status is for the principal job only and not for all jobs held in the labor force. For example, an individual who works part time in his or her principal job but full time in the labor force would be tabulated as part time.

Highest degree level. NSCG respondents report the degrees they have earned at the bachelor’s level (e.g., BS, BA, AB), master’s level (e.g., MS, MA, MBA), and doctorate level (e.g., PhD, DSc, EdD), as well as other professional degrees (e.g., JD, LLB, MD, DDS, DVM). Because the NSCG is focused on the S&E workforce, the sampling strategy does not include a special effort to collect professional degrees. As such, there is not always sufficient data for the professional degrees to be displayed separately in the tables.

Occupation data. The occupational classification of the respondent was based on his or her principal job (including job title) held during the reference week—or on his or her last job held, if not employed in the reference week (survey questions A5 and A6 as well as A16 and A17). Also used in the occupational classification was a respondent-selected job code (survey questions A7 and A18). (See **technical table A-2** for a list and classification of occupations reported in the NSCG.)

Race and ethnicity. Ethnicity is defined as Hispanic or Latino or not Hispanic or Latino. Values for those selecting a single race include American Indian or Alaska Native, Asian, Black or African American, Native Hawaiian or Other Pacific Islander, and White. Those persons who report more than one race and who are not of Hispanic or Latino ethnicity also have a separate value.

Salary. Median annual salaries are reported for the principal job, rounded to the nearest $1,000, and computed for individuals employed full time. For individuals employed by educational institutions, no accommodation was made to convert academic year salaries to calendar year salaries.

Sector of employment. Employment sector is a derived variable based on responses to questionnaire items A13, A14, and A15. In the data tables, the category 4-year educational institution includes 4-year colleges or universities, medical schools (including university-affiliated hospitals or medical centers), and university-affiliated research institutes. Two-year and pre-college institutions include community colleges, technical institutes, and other educational institutions (which respondents reported verbatim in the survey questionnaire). For-profit business or industry includes respondents who were self-employed in an incorporated business. Self-employed includes respondents who were self-employed or were a business owner in a non-incorporated business.

References

Fay RE, Train GF. 1995. Aspects of Survey and Model-Based Postcensal Estimation of Income and Poverty Characteristics for States and Counties. *American Statistical Association Proceedings of the Section on Government Statistics,* 154–59.

Wolter K. 1984. An Investigation of Some Estimators of Variance for Systematic Sampling. *Journal of the American Statistical Association* 79(388):781–90.

Technical Tables

Table	Title
A-1	Fields of study used in the NSCG data tables
A-2	Occupations used in the NSCG data tables

TABLE A-1

Fields of study used in the NSCG data tables

(Crosswalk)

Broad field		Major field		Minor field		Detailed field	
Code	Label	Code	Label	Code	Label	Code	Label
1	S&E fields	1	Computer and mathematical sciences	11	Computer and information sciences	116710	Computer and information sciences
						116730	Computer science
						116740	Computer systems analysis
						116760	Information services and systems
						116770	Other computer and information sciences
				12	Mathematics and statistics	128410	Applied mathematics
						128420	Mathematics, general
						128430	Operations research
						128440	Statistics
						128450	Other mathematics
		2	Biological, agricultural, and environmental life sciences	21	Agricultural and food sciences	216050	Animal sciences
						216060	Food sciences and technology
						216070	Plant sciences
						216080	Other agricultural sciences
				22	Biological sciences	226310	Biochemistry and biophysics
						226320	Biology, general
						226330	Botany
						226340	Cell and molecular biology
						226350	Ecology
						226360	Genetics, animal and plant
						226370	Microbiological sciences and immunology
						226380	Nutritional sciences
						226390	Pharmacology, human and animal
						226400	Physiology and pathology, human and animal
						226410	Zoology, general
						226420	Other biological sciences
				23	Environmental life sciences	236800	Environmental science or studies
						236810	Forestry sciences
		3	Physical and related sciences	31	Chemistry, except biochemistry	318730	Chemistry, except biochemistry
				32	Earth, atmospheric, and ocean sciences	328720	Atmospheric sciences and meteorology
						328740	Earth sciences
						328750	Geology
						328760	Geological sciences, other (including oceanography)[a]
				33	Physics and astronomy	338710	Astronomy and astrophysics
						338780	Physics
				34	Other physical sciences	348790	Other physical sciences
		4	Social and related sciences	41	Economics	416010	Agricultural economics
						419230	Economics
				42	Political and related sciences	429020	Public policy studies
						429270	International relations
						429280	Political science and government
				43	Psychology	437040	Educational psychology
						438910	Clinical psychology
						438920	Counseling psychology
						438930	Experimental psychology
						438940	General psychology
						438950	Industrial/ organizational psychology

TABLE A-1

Fields of study used in the NSCG data tables

(Crosswalk)

Broad field		Major field		Minor field		Detailed field	
Code	Label	Code	Label	Code	Label	Code	Label
						438960	Social psychology
						438970	Other psychology
				44	Sociology and anthropology	449210	Anthropology and archaeology
						449220	Criminology
						449290	Sociology
				45	Other social sciences	456200	Area and ethnic studies
						457710	Linguistics
						458610	Philosophy of science
						459240	Geography
						459300	Other social sciences, including history of science[b]
		5	Engineering	51	Aerospace, aeronautical, and astronautical engineering	517210	Aerospace, aeronautical, and astronautical/ space engineering
				52	Chemical engineering	527250	Chemical engineering
				53	Civil and architectural engineering	537230	Architectural engineering
						537260	Civil engineering
				54	Electrical and computer engineering	547270	Computer and systems engineering
						547280	Electrical, electronics, and communications engineering
				55	Industrial engineering	557330	Industrial and manufacturing engineering
				56	Mechanical engineering	567350	Mechanical engineering
				57	Other engineering	577220	Agricultural engineering
						577240	Bioengineering and biomedical engineering
						577290	Engineering sciences, mechanics and physics
						577300	Environmental engineering
						577310	Engineering, general
						577340	Materials engineering, including ceramics and textiles
						577360	Metallurgical engineering
						577390	Nuclear engineering
						577410	Other engineering, including geophysical, geological, mining, mineral, naval architecture, marine, and petroleum[c]
2	S&E-related fields	6	S&E-related fields	61	Health	617810	Audiology and speech pathology
						617820	Health services administration
						617830	Health/ medical assistants
						617840	Health/ medical technologies
						617850	Medical preparatory programs (e.g., pre-dentistry, pre-medical, pre-veterinary)
						617860	Medicine (dentistry, optometry, osteopathic, podiatry, veterinary)
						617870	Nursing (4 years or longer program)
						617880	Pharmacy
						617890	Physical therapy and other rehabilitation/ therapeutic services
						617900	Public health (including environmental health and epidemiology)
						617910	Other health/ medical sciences
				62	Science and mathematics teacher education	627020	Computer teacher education
						627060	Mathematics teacher education

TABLE A-1

Fields of study used in the NSCG data tables

(Crosswalk)

Broad field		Major field		Minor field		Detailed field	
Code	Label	Code	Label	Code	Label	Code	Label
						627090	Science teacher education
						627120	Social science teacher education
				63	Technology and technical fields	636720	Computer programming
						636750	Data processing
						637510	Electrical and electronic technologies
						637520	Industrial production technologies
						637530	Mechanical engineering-related technologies
						637540	Other engineering-related technologies
				64	Other science and engineering-related fields	646100	Architecture/ environmental design
						646520	Actuarial science
3	Non-S&E fields	7	Non-S&E fields	71	Management and administration fields	716020	Other agricultural business and production
						716510	Accounting
						716530	Business administration and management
						716540	Business, general
						716550	Business and managerial economics
						716570	Financial management
						716590	Other business management/ administrative services
				72	Education, except science and math teacher education	727010	Education administration
						727030	Counselor education and guidance services
						727050	Elementary teacher education
						727070	Physical education and coaching
						727080	Pre-school/ kindergarten/ early childhood teacher education
						727100	Secondary teacher education
						727110	Special education
						727130	Other education
				73	Social service and related fields	738620	Other philosophy, religion, theology
						739100	Social work
				74	Sales and marketing fields	746560	Business marketing/ marketing management
						746580	Marketing research
				75	Art and humanities fields	757600	English language, literature and letters
						757720	Other foreign languages and literature
						758200	Liberal arts/ general studies
						759260	History, other
						759410	Dramatic arts
						759420	Fine arts, all fields
						759430	Music, all fields
						759440	Other visual and performing arts
				76	Other non-S&E fields	766610	Communications, general
						766620	Journalism
						766630	Other communications
						766820	Other natural resources and conservation
						766900	Criminal justice/ protective services
						768000	Home economics
						768100	Law/ prelaw/ legal studies
						768300	Library science
						768500	Parks, recreation, leisure, and fitness studies

TABLE A-1

Fields of study used in the NSCG data tables

(Crosswalk)

Broad field		Major field		Minor field		Detailed field	
Code	Label	Code	Label	Code	Label	Code	Label
						769010	Public administration
						769030	Other public affairs
						769950	Other fields (not listed)

S&E = science and engineering; NSCG = National Survey of College Graduates.

[a] In 2019, "Oceanography" was merged with "Geological sciences, other" to form "Geological sciences, other (including oceanography)" (328760).
[b] In 2019, "History of science" was merged with "Other social sciences" to form "Other social sciences, including history of science" (459300).
[c] In 2019, four detailed fields of engineering were merged with "Other engineering" to form "Other engineering, including geophysical, geological, mining, mineral, naval architecture, marine, and petroleum" (577410).

Source(s):
National Center for Science and Engineering Statistics, National Survey of College Graduates, 2021.

TABLE A-2

Occupations used in the NSCG data tables

(Crosswalk)

Broad occupation		Major occupation		Minor occupation		Detailed occupation	
Code	Label	Code	Label	Code	Label	Code	Label
1	S&E occupations	1	Computer and mathematical scientists	11	Computer and information scientists	110510	Computer and information scientists, research
						110520	Computer network architect
						110540	Computer support specialists
						110550	Computer system analysts
						110560	Database administrators
						110570	Information security analysts
						110580	Network and computer systems administrators
						110590	Software developers -- applications and systems software
						110600	Web developers
						110610	Other computer and information science occupations
						110880	Computer engineers, software
				12	Mathematical scientists	121720	Mathematicians
						121730	Operations research analysts, including modeling
						121740	Statisticians
						121760	Other mathematical scientists
				18	Postsecondary teachers - computer and math sciences	182760	Postsecondary teachers - Computer sciences
						182860	Postsecondary teachers - Mathematics and statistics
		2	Biological, agricultural, and other life scientists	21	Agricultural and food scientists	210210	Agricultural and food scientists
				22	Biological and medical scientists	220220	Biochemists and biophysicists
						220230	Biological scientists
						220250	Forestry and conservation scientists
						220270	Medical scientists (excluding practitioners)
				23	Environmental life scientists	230240	Forestry and conservation scientists
				28	Postsecondary teachers - life and related sciences	282710	Postsecondary teachers - Agriculture
						282730	Postsecondary teachers - Biological sciences
						282970	Postsecondary teachers - Other natural sciences
		3	Physical and related scientists	31	Chemists, except biochemists	311930	Chemists, except biochemists
				32	Earth, atmospheric, and ocean scientists[a]	321920	Atmospheric and space scientists
						321940	Geologists, including earth scientists and oceanographers[b]
				33	Physicists[c]	331960	Physicists, except biophysicists
				34	Other physical and related scientists, including astronomers[a]	341980	Other physical scientists, including astronomers[d]
				38	Postsecondary teachers - physical and related sciences	382750	Postsecondary teachers - Chemistry
						382770	Postsecondary teachers - Earth, environmental, and marine sciences
						382890	Postsecondary teachers - Physics
		4	Social and related scientists	41	Economists	412320	Economists
				42	Political scientists	422350	Political scientists
				43	Psychologists	432360	Psychologists, including clinical

TABLE A-2

Occupations used in the NSCG data tables

(Crosswalk)

Broad occupation		Major occupation		Minor occupation		Detailed occupation	
Code	Label	Code	Label	Code	Label	Code	Label
				44	Anthropologists[e]	442310	Anthropologists
				45	Other social and related scientists	452380	Other social scientists, including sociologists[f]
				48	Postsecondary teachers - social and related sciences	482780	Postsecondary teachers - Economics
						482900	Postsecondary teachers - Political science
						482910	Postsecondary teachers - Psychology
						482930	Postsecondary teachers - Sociology
						482980	Postsecondary teachers - Other social sciences
		5	Engineers	51	Aerospace, aeronautical, and astronautical engineers	510820	Aeronautical, aerospace, and astronautical engineers
				52	Chemical engineers	520850	Chemical engineers
				53	Civil, architectural, and sanitary engineers	530860	Civil engineers, including architectural and sanitary
				54	Electrical and computer hardware engineers	540870	Computer engineers, hardware
						540890	Electrical and electronics engineers
				55	Industrial engineers	550910	Industrial engineers
				56	Mechanical engineers	560940	Mechanical engineers
				57	Other engineers	570840	Bioengineers or biomedical engineers
						570900	Environmental engineers
						570920	Marine engineers and naval architects
						570930	Materials and metallurgical engineers
						570960	Nuclear engineers
						570970	Petroleum engineers
						570980	Sales engineers
						570990	Other engineers, including agricultural, mining, and geological[g]
				58	Postsecondary teachers - engineering	582800	Postsecondary teachers - Engineering
2	S&E-related occupations	6	S&E-related occupations	61	Health-related occupations	611110	Diagnosing and treating practitioners
						611120	Registered nurses, pharmacists, dieticians, therapists, physician assistants, nurse practitioners
						611130	Health technologists and technicians
						611140	Other health occupations
						612870	Postsecondary teachers - health and related sciences
				62	S&E managers	621420	Computer and information systems managers
						621430	Engineering managers
						621440	Medical and health services managers
						621450	Natural sciences managers
				63	S&E pre-college teachers	632530	Teachers: Secondary - computer, math, or sciences
						632540	Teachers: Secondary - social sciences
				64	S&E technicians and technologists	640260	Technologists and technicians, biological and life sciences
						640530	Computer programmers, business, scientific, and process control
						641000	Electrical, electronic, industrial, and mechanical technicians

TABLE A-2

Occupations used in the NSCG data tables

(Crosswalk)

Broad occupation		Major occupation		Minor occupation		Detailed occupation	
Code	Label	Code	Label	Code	Label	Code	Label
						641010	Drafting occupations, including computer drafting
						641020	Surveying and mapping technicians
						641030	Other engineers, technologists, and technicians
						641040	Surveyors, cartographers, and photogrammetrists
						641970	Technologists and technicians in the mathematical or physical sciences[h]
				65	Other S&E-related occupations	650810	Architects
						651710	Actuaries
3	Non-S&E occupations	7	Non-S&E occupations	71	Non-S&E managers	711410	Top-level managers, executives, and administrators
						711460	Education administrators
						711470	Other mid-level managers
				72	Management-related occupations	721510	Accountants, auditors, and other financial specialists
						721520	Personnel, training, and labor relations specialists
						721530	Other management-related occupations
				73	Non-S&E precollege teachers	732510	Teachers: Pre-kindergarten and kindergarten
						732520	Teachers: Elementary
						732550	Teachers: Secondary - other subjects
						732560	Teachers: Special education - primary and secondary
						732570	Teachers: Other precollegiate area
				74	Non-S&E postsecondary teachers	742720	Postsecondary teachers - Art, drama, and music
						742740	Postsecondary teachers - Business commerce and marketing
						742790	Postsecondary teachers - Education
						742810	Postsecondary teachers - English
						742820	Postsecondary teachers - Foreign language
						742830	Postsecondary teachers - History
						742880	Postsecondary teachers - Physical education
						742990	Postsecondary teachers - Other postsecondary fields
				75	Social services and related occupations	750400	Clergy and other religious workers
						750700	Counselors, educational, vocational, mental health, and substance abuse
						752400	Social workers
				76	Sales and marketing occupations	762000	Insurance, securities, real estate, and business services
						762010	Sales occupations, commodities, except retail
						762020	Sales occupations, retail
						762030	Other marketing and sales occupations
				77	Art, humanities, and related occupations	770100	Writers, editors, public relations specialists, artists, entertainers, and broadcasters

TABLE A-2

Occupations used in the NSCG data tables

(Crosswalk)

Broad occupation		Major occupation		Minor occupation		Detailed occupation	
Code	Label	Code	Label	Code	Label	Code	Label
						772330	Historians
				78	Other non-S&E occupations	780310	Accounting clerks, and bookkeepers
						780320	Secretaries, receptionists, and typists
						780330	Other administrative occupations
						781100	Farmers, foresters, and fishermen
						781200	Lawyers and judges
						781300	Librarians, archivists, and curators
						782210	Food preparation and service occupations
						782220	Protective services
						782230	Other service occupations, except health
						783000	Other teachers and instructors
						784010	Construction and extraction occupations
						784020	Installation, maintenance, and repair occupations
						784030	Precision/ production occupations
						784050	Transportation and material moving occupations
						785000	Other occupations

S&E = science and engineering; NSCG = National Survey of College Graduates.

[a] This label was revised in 2019.

[b] "Oceanographers" were merged with "Geologists, including earth scientists" to form "Geologists, including earth scientists and oceanographers" (321940).

[c] "Astronomers" were separated from "Physicists and astronomers" to form "Physicists" (33).

[d] "Astronomers" were merged with "Other physical scientists" to form "Other physical scientists, including astronomers" (341980).

[e] "Sociologists" were separated from "Sociologists and anthropologists" to form "Anthropologists" (44).

[f] "Sociologists" were merged with "Other social scientists" to form "Other social scientists, including sociologists" (452380).

[g] "Agricultural engineers" and "Mining and geological engineers" were merged with "Other engineers" to form "Other engineers, including agricultural, mining, and geological" (570990).

[h] "Technologists and technicians in the mathematical sciences" were merged with "Technologists and technicians in the physical sciences" to form "Technologists and technicians in the mathematical or physical sciences" (641970).

Source(s):
National Center for Science and Engineering Statistics, National Survey of College Graduates, 2021.

Notes

1 Bachelor's degrees include equivalent undergraduate academic degrees awarded by colleges and universities in countries that may name their degrees differently.

2 With PPS sampling, the probability of selection was proportional to the ACS final person-level weight, adjusted to account for imputed educational attainment, incomplete addresses, or invalid names.

Acknowledgments and Suggested Citation

Acknowledgments

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Correction(s)

23 May 2025: Because of a data processing error, information about some respondents' first bachelor's degrees was missing from the data file from which the tables are produced. Once this information was restored, the estimates in table 5-3 were updated.