

TABLE 3-2

Employed college graduates, by employment sector, minor occupation, and job satisfaction: 2019

(Number)

Sector and occupation	Total	Job satisfaction			
		Very satisfied	Somewhat satisfied	Somewhat dissatisfied	Very dissatisfied
All sectors	50,524,000	22,664,000	22,697,000	3,910,000	1,253,000
S&E occupations	7,466,000	3,385,000	3,405,000	556,000	119,000
Biological, agricultural, and other life scientists	698,000	312,000	313,000	58,000	16,000
Agricultural and food scientists	58,000	24,000	24,000	5,000	S
Biological and medical scientists	500,000	206,000	240,000	44,000	10,000
Environmental life scientists	39,000	21,000	15,000	2,000	D
Postsecondary teachers - life and related sciences	101,000	61,000	34,000	6,000	*
Computer and mathematical scientists	3,774,000	1,655,000	1,764,000	299,000	57,000
Computer and information scientists	3,379,000	1,490,000	1,570,000	266,000	53,000
Mathematical scientists	284,000	118,000	144,000	20,000	3,000
Postsecondary teachers - computer and math sciences	111,000	48,000	50,000	13,000	D
Physical and related scientists	409,000	180,000	188,000	32,000	9,000
Chemists, except biochemists	132,000	45,000	75,000	11,000	1,000
Earth, atmospheric, and ocean scientists	85,000	44,000	35,000	4,000	S
Physicists	45,000	23,000	18,000	2,000	D
Other physical and related scientists, including astronomers	67,000	32,000	26,000	8,000	S
Postsecondary teachers - physical and related sciences	80,000	35,000	36,000	8,000	D
Social and related scientists	663,000	353,000	263,000	41,000	6,000
Economists	56,000	28,000	26,000	2,000	*
Political scientists	22,000	10,000	12,000	D	D
Psychologists	228,000	129,000	84,000	13,000	S
Anthropologists	16,000	8,000	6,000	1,000	D
Other social and related scientists	142,000	65,000	65,000	10,000	S
Postsecondary teachers - social and related sciences	200,000	112,000	71,000	15,000	2,000
Engineers	1,921,000	886,000	878,000	126,000	32,000
Aerospace, aeronautical, and astronautical engineers	126,000	64,000	50,000	11,000	D
Chemical engineers	84,000	40,000	39,000	2,000	S
Civil, architectural, and sanitary engineers	294,000	153,000	125,000	15,000	1,000
Electrical and computer hardware engineers	412,000	186,000	190,000	27,000	8,000
Industrial engineers	95,000	33,000	54,000	6,000	S
Mechanical engineers	377,000	161,000	181,000	30,000	6,000
Other engineers	472,000	220,000	212,000	31,000	10,000
Postsecondary teachers - engineering	61,000	30,000	26,000	4,000	D
S&E-related occupations	8,893,000	4,254,000	3,815,000	649,000	176,000
Health-related occupations	5,728,000	2,839,000	2,366,000	409,000	113,000
S&E managers	999,000	520,000	397,000	70,000	11,000
S&E precollege teachers	925,000	375,000	471,000	56,000	23,000
S&E technicians and technologists	973,000	388,000	461,000	98,000	25,000
Other S&E-related occupations	270,000	132,000	119,000	16,000	3,000
Non-S&E occupations	34,165,000	15,025,000	15,476,000	2,705,000	958,000
Non-S&E managers	4,627,000	2,584,000	1,706,000	251,000	87,000
Management-related occupations	6,830,000	2,984,000	3,136,000	545,000	165,000
Non-S&E precollege teachers	4,268,000	1,959,000	2,034,000	199,000	76,000
Non-S&E postsecondary teachers	610,000	271,000	271,000	50,000	17,000

TABLE 3-2

Employed college graduates, by employment sector, minor occupation, and job satisfaction: 2019

(Number)

Sector and occupation	Total	Job satisfaction			
		Very satisfied	Somewhat satisfied	Somewhat dissatisfied	Very dissatisfied
Social services and related occupations	2,189,000	969,000	968,000	187,000	65,000
Sales and marketing occupations	4,646,000	1,904,000	2,118,000	446,000	179,000
Art, humanities, and related occupations	1,576,000	640,000	823,000	91,000	23,000
Other non-S&E occupations	9,418,000	3,715,000	4,421,000	935,000	347,000
Business or industry	35,125,000	15,717,000	15,655,000	2,811,000	942,000
S&E occupations	5,444,000	2,420,000	2,523,000	414,000	87,000
Biological, agricultural, and other life scientists	302,000	126,000	136,000	29,000	12,000
Agricultural and food scientists	40,000	17,000	15,000	S	S
Biological and medical scientists	252,000	104,000	117,000	23,000	7,000
Environmental life scientists	10,000	5,000	4,000	S	D
Postsecondary teachers - life and related sciences	D	D	D	D	D
Computer and mathematical scientists	3,147,000	1,367,000	1,484,000	250,000	45,000
Computer and information scientists	2,940,000	1,285,000	1,378,000	234,000	43,000
Mathematical scientists	207,000	82,000	106,000	17,000	2,000
Postsecondary teachers - computer and math sciences	D	D	D	D	D
Physical and related scientists	189,000	77,000	92,000	17,000	3,000
Chemists, except biochemists	99,000	32,000	57,000	9,000	1,000
Earth, atmospheric, and ocean scientists	51,000	23,000	24,000	3,000	D
Physicists	13,000	10,000	3,000	D	D
Other physical and related scientists, including astronomers	25,000	12,000	7,000	S	D
Postsecondary teachers - physical and related sciences	D	D	D	D	D
Social and related scientists	230,000	130,000	89,000	8,000	S
Economists	23,000	15,000	7,000	1,000	D
Political scientists	11,000	5,000	6,000	D	D
Psychologists	125,000	78,000	44,000	2,000	D
Anthropologists	10,000	5,000	4,000	*	D
Other social and related scientists	61,000	27,000	28,000	5,000	S
Postsecondary teachers - social and related sciences	D	D	D	D	D
Engineers	1,576,000	720,000	721,000	109,000	25,000
Aerospace, aeronautical, and astronautical engineers	101,000	50,000	40,000	10,000	D
Chemical engineers	74,000	38,000	33,000	2,000	S
Civil, architectural, and sanitary engineers	203,000	108,000	82,000	12,000	1,000
Electrical and computer hardware engineers	365,000	165,000	166,000	26,000	7,000
Industrial engineers	90,000	31,000	51,000	4,000	S
Mechanical engineers	336,000	140,000	162,000	29,000	6,000
Other engineers	408,000	188,000	187,000	27,000	6,000
Postsecondary teachers - engineering	D	D	D	D	D
S&E-related occupations	6,470,000	3,152,000	2,710,000	483,000	126,000
Health-related occupations	4,595,000	2,285,000	1,886,000	330,000	94,000
S&E managers	822,000	427,000	333,000	53,000	8,000
S&E precollege teachers	D	D	D	D	D
S&E technicians and technologists	808,000	322,000	379,000	86,000	22,000
Other S&E-related occupations	246,000	117,000	111,000	14,000	3,000
Non-S&E occupations	23,210,000	10,145,000	10,423,000	1,914,000	729,000

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(Number)

Sector and occupation	Total	Job satisfaction			
		Very satisfied	Somewhat satisfied	Somewhat dissatisfied	Very dissatisfied
Non-S&E managers	3,653,000	2,092,000	1,279,000	204,000	79,000
Management-related occupations	5,651,000	2,443,000	2,637,000	441,000	130,000
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	1,433,000	670,000	598,000	127,000	38,000
Sales and marketing occupations	4,511,000	1,840,000	2,063,000	430,000	178,000
Art, humanities, and related occupations	1,388,000	548,000	739,000	80,000	21,000
Other non-S&E occupations	6,574,000	2,552,000	3,107,000	632,000	283,000
Education	10,335,000	4,648,000	4,798,000	691,000	198,000
S&E occupations	1,225,000	567,000	536,000	102,000	20,000
Biological, agricultural, and other life scientists	276,000	123,000	126,000	24,000	2,000
Agricultural and food scientists	9,000	3,000	5,000	D	D
Biological and medical scientists	158,000	58,000	81,000	17,000	1,000
Environmental life scientists	S	S	S	D	D
Postsecondary teachers - life and related sciences	101,000	61,000	34,000	6,000	*
Computer and mathematical scientists	358,000	161,000	154,000	35,000	S
Computer and information scientists	214,000	99,000	87,000	22,000	S
Mathematical scientists	33,000	14,000	18,000	1,000	D
Postsecondary teachers - computer and math sciences	111,000	48,000	50,000	13,000	D
Physical and related scientists	136,000	56,000	65,000	10,000	4,000
Chemists, except biochemists	20,000	6,000	12,000	1,000	*
Earth, atmospheric, and ocean scientists	9,000	4,000	4,000	D	D
Physicists	23,000	9,000	11,000	1,000	D
Other physical and related scientists, including astronomers	5,000	2,000	3,000	D	D
Postsecondary teachers - physical and related sciences	80,000	35,000	36,000	8,000	D
Social and related scientists	337,000	174,000	134,000	25,000	4,000
Economists	11,000	5,000	6,000	D	D
Political scientists	4,000	S	1,000	D	D
Psychologists	82,000	41,000	33,000	S	*
Anthropologists	4,000	2,000	S	D	D
Other social and related scientists	36,000	12,000	S	S	D
Postsecondary teachers - social and related sciences	200,000	112,000	71,000	15,000	2,000
Engineers	119,000	53,000	56,000	7,000	3,000
Aerospace, aeronautical, and astronautical engineers	4,000	2,000	1,000	D	D
Chemical engineers	5,000	1,000	4,000	D	D
Civil, architectural, and sanitary engineers	6,000	3,000	3,000	D	D
Electrical and computer hardware engineers	11,000	3,000	7,000	D	D
Industrial engineers	2,000	D	D	D	D
Mechanical engineers	13,000	5,000	7,000	D	D
Other engineers	16,000	8,000	6,000	*	D
Postsecondary teachers - engineering	61,000	30,000	26,000	4,000	D
S&E-related occupations	1,791,000	819,000	810,000	120,000	41,000
Health-related occupations	756,000	391,000	294,000	57,000	14,000
S&E managers	48,000	25,000	15,000	4,000	D

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Sector and occupation	Total	Job satisfaction			
		Very satisfied	Somewhat satisfied	Somewhat dissatisfied	Very dissatisfied
S&E precollege teachers	925,000	375,000	471,000	56,000	23,000
S&E technicians and technologists	55,000	20,000	29,000	S	D
Other S&E-related occupations	9,000	8,000	D	D	D
Non-S&E occupations	7,319,000	3,261,000	3,452,000	469,000	137,000
Non-S&E managers	502,000	261,000	223,000	16,000	2,000
Management-related occupations	351,000	154,000	150,000	43,000	3,000
Non-S&E precollege teachers	4,268,000	1,959,000	2,034,000	199,000	76,000
Non-S&E postsecondary teachers	610,000	271,000	271,000	50,000	17,000
Social services and related occupations	379,000	158,000	198,000	20,000	S
Sales and marketing occupations	79,000	27,000	37,000	S	D
Art, humanities, and related occupations	131,000	S	64,000	S	D
Other non-S&E occupations	1,001,000	373,000	475,000	120,000	33,000
Government	5,064,000	2,299,000	2,243,000	409,000	113,000
S&E occupations	798,000	397,000	347,000	41,000	12,000
Biological, agricultural, and other life scientists	120,000	63,000	50,000	5,000	S
Agricultural and food scientists	8,000	S	S	D	D
Biological and medical scientists	90,000	44,000	41,000	4,000	S
Environmental life scientists	22,000	15,000	5,000	S	D
Postsecondary teachers - life and related sciences	D	D	D	D	D
Computer and mathematical scientists	269,000	127,000	125,000	13,000	4,000
Computer and information scientists	225,000	106,000	105,000	11,000	3,000
Mathematical scientists	45,000	22,000	20,000	2,000	D
Postsecondary teachers - computer and math sciences	D	D	D	D	D
Physical and related scientists	85,000	47,000	32,000	5,000	S
Chemists, except biochemists	14,000	7,000	6,000	1,000	D
Earth, atmospheric, and ocean scientists	25,000	17,000	7,000	D	D
Physicists	9,000	5,000	3,000	D	D
Other physical and related scientists, including astronomers	37,000	18,000	16,000	3,000	D
Postsecondary teachers - physical and related sciences	D	D	D	D	D
Social and related scientists	97,000	49,000	39,000	8,000	*
Economists	22,000	8,000	S	S	D
Political scientists	8,000	3,000	5,000	D	D
Psychologists	20,000	11,000	6,000	S	D
Anthropologists	2,000	1,000	1,000	D	D
Other social and related scientists	44,000	26,000	14,000	4,000	D
Postsecondary teachers - social and related sciences	D	D	D	D	D
Engineers	226,000	112,000	101,000	10,000	4,000
Aerospace, aeronautical, and astronautical engineers	22,000	11,000	9,000	D	D
Chemical engineers	4,000	1,000	3,000	D	D
Civil, architectural, and sanitary engineers	86,000	43,000	40,000	3,000	D
Electrical and computer hardware engineers	36,000	18,000	17,000	S	D
Industrial engineers	3,000	1,000	S	D	D
Mechanical engineers	28,000	15,000	12,000	S	D
Other engineers	48,000	23,000	18,000	S	S

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(Number)

Sector and occupation	Total	Job satisfaction			
		Very satisfied	Somewhat satisfied	Somewhat dissatisfied	Very dissatisfied
Postsecondary teachers - engineering	D	D	D	D	D
S&E-related occupations	632,000	283,000	295,000	46,000	8,000
Health-related occupations	377,000	163,000	186,000	22,000	S
S&E managers	130,000	67,000	49,000	13,000	D
S&E precollege teachers	D	D	D	D	D
S&E technicians and technologists	110,000	45,000	54,000	S	S
Other S&E-related occupations	15,000	7,000	7,000	D	D
Non-S&E occupations	3,635,000	1,619,000	1,601,000	322,000	93,000
Non-S&E managers	473,000	231,000	204,000	32,000	D
Management-related occupations	827,000	387,000	348,000	61,000	31,000
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	377,000	140,000	173,000	41,000	24,000
Sales and marketing occupations	57,000	S	18,000	S	D
Art, humanities, and related occupations	58,000	35,000	S	S	*
Other non-S&E occupations	1,843,000	790,000	839,000	183,000	31,000

* = 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, precollege 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: 2019.