

TABLE 2-2

## Full-time employed college graduates, by major occupation, level of highest degree, age, sex assigned at birth, and gender identity: 2023

(Number)

Occupation, level of highest degree, and age	Total	Sex assigned at birth		Gender identity <sup>a</sup>			
		Female at birth	Male at birth	Female gender identity	Male gender identity	Transgender identity	Different term used for gender identity
All occupations	47,357,000	23,700,000	23,657,000	23,598,000	23,561,000	93,000	199,000
29 and younger	8,039,000	4,293,000	3,745,000	4,244,000	3,697,000	34,000	107,000
30–39	13,411,000	6,947,000	6,464,000	6,904,000	6,430,000	35,000	69,000
40–49	11,400,000	5,698,000	5,702,000	5,687,000	5,690,000	20,000	S
50–75	14,508,000	6,762,000	7,746,000	6,763,000	7,744,000	S	10,000
S&E occupations	8,086,000	2,289,000	5,796,000	2,278,000	5,776,000	23,000	38,000
29 and younger	1,788,000	566,000	1,222,000	559,000	1,216,000	8,000	22,000
30–39	2,553,000	746,000	1,807,000	746,000	1,793,000	9,000	13,000
40–49	1,785,000	483,000	1,301,000	481,000	1,301,000	5,000	S
50–75	1,959,000	494,000	1,465,000	492,000	1,466,000	D	1,000
Biological, agricultural, and other life scientists	729,000	356,000	373,000	353,000	371,000	S	5,000
29 and younger	172,000	96,000	76,000	93,000	76,000	S	S
30–39	233,000	114,000	119,000	114,000	117,000	S	1,000
40–49	147,000	68,000	79,000	68,000	79,000	D	D
50–75	176,000	78,000	99,000	78,000	99,000	D	D
Computer and mathematical scientists	4,323,000	1,112,000	3,211,000	1,104,000	3,201,000	15,000	19,000
29 and younger	901,000	231,000	669,000	228,000	666,000	6,000	8,000
30–39	1,377,000	373,000	1,004,000	373,000	994,000	4,000	9,000
40–49	1,029,000	242,000	787,000	239,000	788,000	4,000	D
50–75	1,017,000	265,000	751,000	264,000	752,000	D	D
Physical and related scientists	394,000	148,000	246,000	147,000	246,000	1,000	1,000
29 and younger	97,000	43,000	54,000	42,000	54,000	D	1,000
30–39	121,000	50,000	71,000	50,000	71,000	D	D
40–49	72,000	27,000	45,000	27,000	45,000	D	D
50–75	104,000	27,000	77,000	27,000	77,000	D	D
Social and related scientists	513,000	314,000	200,000	312,000	198,000	D	3,000
29 and younger	97,000	68,000	30,000	66,000	30,000	D	D
30–39	173,000	102,000	70,000	102,000	69,000	D	2,000
40–49	108,000	71,000	36,000	71,000	36,000	D	D
50–75	136,000	72,000	63,000	72,000	63,000	D	D
Engineers	2,127,000	361,000	1,766,000	363,000	1,760,000	3,000	S
29 and younger	522,000	128,000	394,000	129,000	391,000	D	S
30–39	650,000	107,000	543,000	107,000	541,000	S	*
40–49	429,000	75,000	354,000	76,000	353,000	D	D
50–75	527,000	51,000	475,000	51,000	475,000	D	D

TABLE 2-2

## Full-time employed college graduates, by major occupation, level of highest degree, age, sex assigned at birth, and gender identity: 2023

(Number)

Occupation, level of highest degree, and age	Total	Sex assigned at birth		Gender identity <sup>a</sup>			
		Female at birth	Male at birth	Female gender identity	Male gender identity	Transgender identity	Different term used for gender identity
S&E-related occupations	9,336,000	5,175,000	4,161,000	5,159,000	4,140,000	14,000	35,000
29 and younger	1,676,000	1,042,000	634,000	1,036,000	627,000	6,000	14,000
30–39	2,835,000	1,625,000	1,210,000	1,615,000	1,204,000	4,000	S
40–49	2,100,000	1,109,000	991,000	1,111,000	985,000	D	S
50–75	2,725,000	1,399,000	1,326,000	1,397,000	1,323,000	D	D
Non-S&E occupations	29,935,000	16,235,000	13,700,000	16,161,000	13,645,000	56,000	126,000
29 and younger	4,575,000	2,686,000	1,889,000	2,650,000	1,853,000	S	71,000
30–39	8,022,000	4,575,000	3,447,000	4,543,000	3,433,000	21,000	42,000
40–49	7,515,000	4,105,000	3,410,000	4,095,000	3,404,000	S	S
50–75	9,823,000	4,869,000	4,954,000	4,873,000	4,955,000	S	S
Bachelor's	28,906,000	14,027,000	14,879,000	13,954,000	14,808,000	61,000	146,000
29 and younger	6,149,000	3,113,000	3,036,000	3,071,000	2,991,000	27,000	93,000
30–39	7,920,000	3,876,000	4,044,000	3,847,000	4,027,000	16,000	39,000
40–49	6,385,000	3,048,000	3,337,000	3,038,000	3,331,000	S	S
50–75	8,452,000	3,990,000	4,462,000	3,999,000	4,459,000	S	D
S&E occupations	4,748,000	1,171,000	3,577,000	1,166,000	3,562,000	16,000	22,000
29 and younger	1,330,000	374,000	956,000	373,000	950,000	6,000	13,000
30–39	1,424,000	347,000	1,077,000	347,000	1,066,000	6,000	8,000
40–49	963,000	216,000	747,000	213,000	749,000	4,000	D
50–75	1,031,000	234,000	797,000	234,000	797,000	D	D
Biological, agricultural, and other life scientists	277,000	134,000	143,000	132,000	141,000	D	S
29 and younger	102,000	52,000	50,000	50,000	49,000	D	S
30–39	93,000	42,000	51,000	42,000	49,000	D	D
40–49	38,000	16,000	22,000	15,000	22,000	D	D
50–75	45,000	24,000	21,000	24,000	21,000	D	D
Computer and mathematical scientists	2,838,000	671,000	2,167,000	668,000	2,159,000	11,000	11,000
29 and younger	709,000	165,000	545,000	165,000	542,000	5,000	3,000
30–39	869,000	213,000	656,000	213,000	648,000	2,000	7,000
40–49	636,000	135,000	501,000	131,000	503,000	S	D
50–75	625,000	159,000	466,000	159,000	466,000	D	D
Physical and related scientists	172,000	78,000	94,000	78,000	94,000	D	D
29 and younger	63,000	29,000	34,000	29,000	34,000	D	D
30–39	51,000	25,000	25,000	25,000	25,000	D	D
40–49	22,000	9,000	13,000	9,000	13,000	D	D
50–75	37,000	14,000	23,000	14,000	23,000	D	D

TABLE 2-2

## Full-time employed college graduates, by major occupation, level of highest degree, age, sex assigned at birth, and gender identity: 2023

(Number)

Occupation, level of highest degree, and age	Total	Sex assigned at birth		Gender identity <sup>a</sup>			
		Female at birth	Male at birth	Female gender identity	Male gender identity	Transgender identity	Different term used for gender identity
Social and related scientists	137,000	76,000	62,000	75,000	62,000	D	D
29 and younger	49,000	33,000	16,000	32,000	16,000	D	D
30–39	37,000	19,000	18,000	19,000	18,000	D	D
40–49	21,000	10,000	S	10,000	S	D	D
50–75	31,000	13,000	17,000	13,000	17,000	D	D
Engineers	1,323,000	212,000	1,110,000	215,000	1,105,000	S	S
29 and younger	408,000	96,000	312,000	98,000	309,000	D	D
30–39	374,000	47,000	328,000	47,000	326,000	S	D
40–49	247,000	46,000	201,000	46,000	201,000	D	D
50–75	293,000	24,000	270,000	24,000	270,000	D	D
S&E-related occupations	4,894,000	2,782,000	2,112,000	2,767,000	2,104,000	5,000	22,000
29 and younger	1,141,000	691,000	449,000	684,000	445,000	3,000	13,000
30–39	1,400,000	775,000	624,000	766,000	625,000	D	S
40–49	937,000	538,000	399,000	539,000	397,000	D	D
50–75	1,417,000	778,000	639,000	779,000	637,000	D	D
Non-S&E occupations	19,265,000	10,074,000	9,191,000	10,020,000	9,142,000	40,000	101,000
29 and younger	3,678,000	2,047,000	1,631,000	2,014,000	1,596,000	S	67,000
30–39	5,096,000	2,754,000	2,342,000	2,733,000	2,336,000	S	S
40–49	4,485,000	2,294,000	2,191,000	2,286,000	2,185,000	D	D
50–75	6,005,000	2,978,000	3,027,000	2,986,000	3,025,000	D	D
Master's	13,457,000	7,459,000	5,998,000	7,431,000	5,984,000	20,000	44,000
29 and younger	1,472,000	939,000	533,000	930,000	532,000	3,000	13,000
30–39	4,023,000	2,326,000	1,697,000	2,315,000	1,684,000	12,000	24,000
40–49	3,744,000	2,042,000	1,702,000	2,040,000	1,699,000	4,000	S
50–75	4,219,000	2,152,000	2,067,000	2,146,000	2,069,000	D	S
S&E occupations	2,367,000	773,000	1,594,000	768,000	1,590,000	4,000	12,000
29 and younger	404,000	173,000	231,000	167,000	231,000	1,000	8,000
30–39	774,000	261,000	513,000	261,000	510,000	S	2,000
40–49	560,000	165,000	395,000	166,000	393,000	D	D
50–75	629,000	174,000	455,000	173,000	455,000	D	D
Biological, agricultural, and other life scientists	184,000	104,000	80,000	104,000	80,000	D	S
29 and younger	58,000	S	21,000	S	21,000	D	D
30–39	44,000	26,000	18,000	26,000	18,000	D	D
40–49	36,000	19,000	17,000	19,000	17,000	D	D
50–75	47,000	23,000	24,000	23,000	24,000	D	D

TABLE 2-2

## Full-time employed college graduates, by major occupation, level of highest degree, age, sex assigned at birth, and gender identity: 2023

(Number)

Occupation, level of highest degree, and age	Total	Sex assigned at birth		Gender identity <sup>a</sup>			
		Female at birth	Male at birth	Female gender identity	Male gender identity	Transgender identity	Different term used for gender identity
Computer and mathematical scientists	1,263,000	389,000	874,000	386,000	872,000	1,000	6,000
29 and younger	177,000	63,000	115,000	60,000	114,000	1,000	S
30–39	425,000	144,000	281,000	144,000	280,000	D	1,000
40–49	329,000	90,000	239,000	90,000	238,000	D	D
50–75	332,000	93,000	240,000	92,000	240,000	D	D
Physical and related scientists	103,000	39,000	64,000	39,000	64,000	D	1,000
29 and younger	26,000	12,000	14,000	11,000	14,000	D	D
30–39	33,000	13,000	20,000	13,000	20,000	D	D
40–49	23,000	9,000	14,000	9,000	14,000	D	D
50–75	21,000	5,000	16,000	5,000	16,000	D	D
Social and related scientists	186,000	122,000	63,000	121,000	62,000	D	S
29 and younger	42,000	31,000	11,000	30,000	11,000	D	D
30–39	58,000	35,000	23,000	34,000	22,000	D	D
40–49	34,000	27,000	8,000	27,000	8,000	D	D
50–75	52,000	30,000	22,000	30,000	22,000	D	D
Engineers	631,000	119,000	512,000	118,000	512,000	S	S
29 and younger	101,000	30,000	70,000	30,000	71,000	D	D
30–39	215,000	44,000	171,000	44,000	170,000	D	D
40–49	139,000	21,000	117,000	21,000	117,000	D	D
50–75	177,000	23,000	153,000	23,000	153,000	D	D
S&E-related occupations	2,596,000	1,514,000	1,083,000	1,508,000	1,077,000	4,000	10,000
29 and younger	288,000	213,000	76,000	212,000	76,000	1,000	1,000
30–39	831,000	507,000	324,000	506,000	319,000	1,000	S
40–49	712,000	377,000	334,000	376,000	334,000	D	D
50–75	766,000	417,000	349,000	414,000	349,000	D	D
Non-S&E occupations	8,494,000	5,173,000	3,321,000	5,155,000	3,317,000	12,000	22,000
29 and younger	779,000	554,000	226,000	551,000	225,000	S	4,000
30–39	2,418,000	1,558,000	860,000	1,548,000	855,000	8,000	17,000
40–49	2,472,000	1,499,000	973,000	1,498,000	972,000	D	D
50–75	2,825,000	1,562,000	1,263,000	1,558,000	1,266,000	D	D
Doctorate	2,117,000	897,000	1,220,000	895,000	1,217,000	5,000	7,000
29 and younger	111,000	52,000	59,000	52,000	59,000	1,000	1,000
30–39	624,000	290,000	334,000	288,000	333,000	S	5,000
40–49	593,000	265,000	328,000	267,000	326,000	D	D
50–75	788,000	290,000	498,000	289,000	499,000	D	D

TABLE 2-2

## Full-time employed college graduates, by major occupation, level of highest degree, age, sex assigned at birth, and gender identity: 2023

(Number)

Occupation, level of highest degree, and age	Total	Sex assigned at birth		Gender identity <sup>a</sup>			
		Female at birth	Male at birth	Female gender identity	Male gender identity	Transgender identity	Different term used for gender identity
S&E occupations	911,000	313,000	598,000	311,000	598,000	3,000	4,000
29 and younger	53,000	18,000	35,000	17,000	35,000	S	S
30-39	336,000	130,000	206,000	129,000	206,000	D	3,000
40-49	249,000	94,000	155,000	95,000	154,000	D	D
50-75	273,000	71,000	202,000	70,000	203,000	D	D
Biological, agricultural, and other life scientists	248,000	106,000	141,000	106,000	142,000	D	1,000
29 and younger	13,000	7,000	6,000	6,000	6,000	D	D
30-39	95,000	45,000	49,000	45,000	49,000	D	D
40-49	68,000	30,000	39,000	30,000	39,000	D	D
50-75	72,000	25,000	48,000	25,000	48,000	D	D
Computer and mathematical scientists	201,000	44,000	157,000	42,000	158,000	S	D
29 and younger	14,000	4,000	10,000	3,000	10,000	D	D
30-39	75,000	16,000	59,000	15,000	59,000	D	D
40-49	62,000	16,000	45,000	16,000	45,000	D	D
50-75	51,000	8,000	43,000	7,000	44,000	D	D
Physical and related scientists	117,000	31,000	87,000	31,000	87,000	D	S
29 and younger	8,000	2,000	6,000	2,000	6,000	D	D
30-39	38,000	12,000	26,000	12,000	26,000	D	D
40-49	27,000	9,000	18,000	9,000	18,000	D	D
50-75	44,000	8,000	37,000	8,000	37,000	D	D
Social and related scientists	172,000	103,000	70,000	103,000	70,000	D	D
29 and younger	5,000	3,000	2,000	3,000	2,000	D	D
30-39	69,000	41,000	28,000	41,000	28,000	D	D
40-49	49,000	32,000	17,000	32,000	17,000	D	D
50-75	49,000	26,000	23,000	26,000	23,000	D	D
Engineers	173,000	30,000	143,000	30,000	142,000	D	D
29 and younger	13,000	2,000	11,000	2,000	11,000	D	D
30-39	61,000	16,000	44,000	16,000	44,000	D	D
40-49	43,000	7,000	36,000	8,000	35,000	D	D
50-75	56,000	5,000	52,000	4,000	52,000	D	D
S&E-related occupations	469,000	241,000	228,000	242,000	225,000	D	S
29 and younger	50,000	29,000	21,000	29,000	21,000	D	D
30-39	140,000	82,000	58,000	81,000	57,000	D	D
40-49	128,000	59,000	69,000	60,000	68,000	D	D
50-75	151,000	71,000	80,000	71,000	80,000	D	D

TABLE 2-2

## Full-time employed college graduates, by major occupation, level of highest degree, age, sex assigned at birth, and gender identity: 2023

(Number)

Occupation, level of highest degree, and age	Total	Sex assigned at birth		Gender identity <sup>a</sup>			
		Female at birth	Male at birth	Female gender identity	Male gender identity	Transgender identity	Different term used for gender identity
Non-S&E occupations	737,000	343,000	394,000	342,000	394,000	D	D
29 and younger	8,000	6,000	3,000	S	3,000	D	D
30–39	148,000	78,000	70,000	78,000	70,000	D	D
40–49	216,000	111,000	105,000	111,000	105,000	D	D
50–75	364,000	148,000	216,000	148,000	216,000	D	D
Professional	2,877,000	1,316,000	1,561,000	1,318,000	1,553,000	D	D
29 and younger	307,000	189,000	118,000	192,000	115,000	D	D
30–39	844,000	455,000	389,000	454,000	386,000	D	D
40–49	678,000	343,000	335,000	343,000	335,000	D	D
50–75	1,048,000	329,000	719,000	329,000	718,000	D	D
S&E occupations	60,000	33,000	27,000	33,000	27,000	D	D
29 and younger	D	D	D	D	D	D	D
30–39	19,000	S	10,000	S	10,000	D	D
40–49	12,000	7,000	5,000	7,000	5,000	D	D
50–75	28,000	16,000	12,000	16,000	12,000	D	D
Biological, agricultural, and other life scientists	20,000	11,000	8,000	11,000	8,000	D	D
29 and younger	D	D	D	D	D	D	D
30–39	1,000	D	1,000	D	1,000	D	D
40–49	6,000	S	S	S	S	D	D
50–75	12,000	S	6,000	S	6,000	D	D
Computer and mathematical scientists	21,000	S	12,000	S	12,000	D	D
29 and younger	D	D	D	D	D	D	D
30–39	9,000	D	D	D	D	D	D
40–49	3,000	D	D	D	D	D	D
50–75	9,000	S	3,000	S	3,000	D	D
Physical and related scientists	D	D	D	D	D	D	D
29 and younger	D	D	D	D	D	D	D
30–39	D	D	D	D	D	D	D
40–49	D	D	D	D	D	D	D
50–75	D	D	D	D	D	D	D
Social and related scientists	18,000	13,000	5,000	13,000	5,000	D	D
29 and younger	D	D	D	D	D	D	D
30–39	S	S	2,000	S	2,000	D	D
40–49	4,000	2,000	S	2,000	D	D	D
50–75	5,000	S	S	S	S	D	D

TABLE 2-2

**Full-time employed college graduates, by major occupation, level of highest degree, age, sex assigned at birth, and gender identity: 2023**

(Number)

Occupation, level of highest degree, and age	Total	Sex assigned at birth		Gender identity <sup>a</sup>			
		Female at birth	Male at birth	Female gender identity	Male gender identity	Transgender identity	Different term used for gender identity
Engineers	D	D	D	D	D	D	D
29 and younger	D	D	D	D	D	D	D
30–39	D	D	D	D	D	D	D
40–49	D	D	D	D	D	D	D
50–75	D	D	D	D	D	D	D
S&E-related occupations	1,376,000	638,000	739,000	641,000	734,000	D	D
29 and younger	197,000	109,000	88,000	111,000	85,000	D	D
30–39	465,000	261,000	204,000	261,000	204,000	D	D
40–49	323,000	135,000	188,000	136,000	187,000	D	D
50–75	392,000	133,000	259,000	133,000	258,000	D	D
Non-S&E occupations	1,440,000	645,000	795,000	644,000	792,000	D	D
29 and younger	109,000	79,000	30,000	79,000	30,000	D	D
30–39	360,000	185,000	175,000	184,000	172,000	D	D
40–49	342,000	200,000	142,000	200,000	142,000	D	D
50–75	629,000	181,000	448,000	181,000	448,000	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.

<sup>a</sup> Gender identity estimates are tabulated based on "mark all that apply" responses to the following question, "How do you currently describe yourself? 1. Male, 2. Female, 3. Transgender, and 4. I use a different term." Thus, these four gender identity categories are not mutually exclusive.

**Note(s):**

Numbers are rounded to the nearest 1,000. Detail may not add to total because of rounding and multiple response options for the gender identity question. 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, 2023.