

TABLE 2-4

Employed college graduates, by minor occupation and major field of highest degree: 2019

(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 | 50,524,000 | 15,362,000 | 2,437,000 | 2,837,000 | 889,000 | 5,474,000 | 3,725,000 | 7,429,000 | 27,734,000 |
| S&E occupations | 7,466,000 | 5,709,000 | 705,000 | 1,670,000 | 422,000 | 754,000 | 2,159,000 | 428,000 | 1,330,000 |
| Biological, agricultural, and other life scientists | 698,000 | 579,000 | 488,000 | 4,000 | 47,000 | 18,000 | 22,000 | 77,000 | 43,000 |
| Agricultural and food scientists | 58,000 | 53,000 | 47,000 | D | S | S | 1,000 | S | 4,000 |
| Biological and medical scientists | 500,000 | 404,000 | 328,000 | 4,000 | 42,000 | 11,000 | 19,000 | 67,000 | 29,000 |
| Environmental life scientists | 39,000 | 32,000 | 31,000 | D | * | 1,000 | D | D | 6,000 |
| Postsecondary teachers - life and related sciences | 101,000 | 90,000 | 82,000 | D | 2,000 | 4,000 | 1,000 | 8,000 | 4,000 |
| Computer and mathematical scientists | 3,774,000 | 2,642,000 | 94,000 | 1,584,000 | 79,000 | 258,000 | 628,000 | 186,000 | 946,000 |
| Computer and information scientists | 3,379,000 | 2,393,000 | 80,000 | 1,429,000 | 66,000 | 218,000 | 600,000 | 153,000 | 833,000 |
| Mathematical scientists | 284,000 | 164,000 | 13,000 | 76,000 | 12,000 | 39,000 | 24,000 | 20,000 | 100,000 |
| Postsecondary teachers - computer and math sciences | 111,000 | 85,000 | 2,000 | 78,000 | S | S | 3,000 | 13,000 | 13,000 |
| Physical and related scientists | 409,000 | 374,000 | 87,000 | 4,000 | 246,000 | 8,000 | 28,000 | S | 18,000 |
| Chemists, except biochemists | 132,000 | 117,000 | 31,000 | S | 78,000 | D | 7,000 | S | 5,000 |
| Earth, atmospheric, and ocean scientists | 85,000 | 80,000 | 7,000 | 1,000 | 65,000 | 2,000 | 6,000 | D | 4,000 |
| Physicists | 45,000 | 45,000 | * | * | 38,000 | D | 6,000 | 1,000 | D |
| Other physical and related scientists, including astronomers | 67,000 | 59,000 | 30,000 | S | 17,000 | 5,000 | 6,000 | 2,000 | 6,000 |
| Postsecondary teachers - physical and related sciences | 80,000 | 73,000 | 19,000 | D | 49,000 | D | 3,000 | 3,000 | 4,000 |
| Social and related scientists | 663,000 | 477,000 | 17,000 | 6,000 | 1,000 | 448,000 | 5,000 | 44,000 | 142,000 |
| Economists | 56,000 | 46,000 | 1,000 | 2,000 | D | 43,000 | * | 2,000 | 8,000 |
| Political scientists | 22,000 | 11,000 | D | D | D | 11,000 | D | D | 8,000 |
| Psychologists | 228,000 | 188,000 | S | D | D | 182,000 | D | 8,000 | 32,000 |
| Anthropologists | 16,000 | 15,000 | D | D | D | 15,000 | D | D | * |

TABLE 2-4

Employed college graduates, by minor occupation and major field of highest degree: 2019

(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 | 142,000 | 78,000 | 7,000 | 3,000 | S | 63,000 | 4,000 | 28,000 | 36,000 |
| Postsecondary teachers - social and related sciences | 200,000 | 139,000 | 4,000 | 1,000 | D | 134,000 | D | 3,000 | 58,000 |
| Engineers | 1,921,000 | 1,637,000 | 19,000 | 71,000 | 49,000 | 22,000 | 1,477,000 | 103,000 | 180,000 |
| Aerospace, aeronautical, and astronautical engineers | 126,000 | 112,000 | D | 3,000 | 5,000 | D | 104,000 | 4,000 | 10,000 |
| Chemical engineers | 84,000 | 73,000 | 1,000 | * | 2,000 | D | 69,000 | 4,000 | 7,000 |
| Civil, architectural, and sanitary engineers | 294,000 | 271,000 | 2,000 | 1,000 | S | 1,000 | 262,000 | 9,000 | 14,000 |
| Electrical and computer hardware engineers | 412,000 | 371,000 | S | 33,000 | 9,000 | S | 327,000 | 18,000 | 23,000 |
| Industrial engineers | 95,000 | 59,000 | S | 5,000 | 2,000 | D | 46,000 | 15,000 | 21,000 |
| Mechanical engineers | 377,000 | 325,000 | 2,000 | 4,000 | 1,000 | 1,000 | 316,000 | 25,000 | 27,000 |
| Other engineers | 472,000 | 374,000 | 9,000 | 21,000 | 22,000 | 15,000 | 308,000 | 27,000 | 71,000 |
| Postsecondary teachers - engineering | 61,000 | 52,000 | D | 4,000 | 2,000 | D | 45,000 | 2,000 | 7,000 |
| S&E-related occupations | 8,893,000 | 2,131,000 | 660,000 | 366,000 | 176,000 | 367,000 | 562,000 | 5,309,000 | 1,453,000 |
| Health-related occupations | 5,728,000 | 696,000 | 389,000 | 27,000 | 52,000 | 211,000 | 17,000 | 4,479,000 | 553,000 |
| S&E managers | 999,000 | 517,000 | 68,000 | 106,000 | 37,000 | 57,000 | 249,000 | 260,000 | 221,000 |
| S&E precollege teachers | 925,000 | 237,000 | 72,000 | 74,000 | 30,000 | 48,000 | 13,000 | 240,000 | 448,000 |
| S&E technicians and technologists | 973,000 | 635,000 | 129,000 | 132,000 | 54,000 | 48,000 | 272,000 | 133,000 | 204,000 |
| Other S&E-related occupations | 270,000 | 46,000 | 2,000 | 27,000 | 3,000 | 4,000 | 10,000 | 196,000 | 27,000 |
| Non-S&E occupations | 34,165,000 | 7,522,000 | 1,072,000 | 801,000 | 291,000 | 4,352,000 | 1,004,000 | 1,692,000 | 24,951,000 |
| Non-S&E managers | 4,627,000 | 1,205,000 | 162,000 | 161,000 | 56,000 | 509,000 | 317,000 | 271,000 | 3,151,000 |
| Management-related occupations | 6,830,000 | 1,717,000 | 236,000 | 265,000 | 64,000 | 916,000 | 236,000 | 280,000 | 4,832,000 |
| Non-S&E precollege teachers | 4,268,000 | 405,000 | 67,000 | 22,000 | 11,000 | 289,000 | 14,000 | 158,000 | 3,705,000 |

TABLE 2-4

Employed college graduates, by minor occupation and major field of highest degree: 2019

(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 | | |
| Non-S&E postsecondary teachers | 610,000 | 78,000 | S | 4,000 | 5,000 | 61,000 | 2,000 | 30,000 | 501,000 |
| Social services and related occupations | 2,189,000 | 605,000 | 29,000 | S | 9,000 | 541,000 | 7,000 | 119,000 | 1,465,000 |
| Sales and marketing occupations | 4,646,000 | 996,000 | 131,000 | 87,000 | 41,000 | 602,000 | 134,000 | 233,000 | 3,416,000 |
| Art, humanities, and related occupations | 1,576,000 | 183,000 | S | 9,000 | S | 123,000 | 8,000 | 39,000 | 1,354,000 |
| Other non-S&E occupations | 9,418,000 | 2,332,000 | 404,000 | 234,000 | 99,000 | 1,309,000 | 285,000 | 560,000 | 6,526,000 |

* = 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: 2019.