

TABLE S3-15

## Employed scientists and engineers, by race, ethnicity, and occupation: 2017

(Number and percent)

Occupation	Total	Asian		American Indian or Alaska Native		Black or African American		Hispanic or Latino		White		Native Hawaiian or Other Pacific Islander		More than one race	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
All occupations	27,273,000	3,546,000	13.0	79,000	0.3	2,008,000	7.4	2,328,000	8.5	18,750,000	68.7	67,000	0.2	495,000	1.8
S&E occupations	6,769,000	1,338,000	19.8	14,000	0.2	382,000	5.6	505,000	7.5	4,397,000	65.0	23,000	0.3	109,000	1.6
Computer and mathematical scientists	3,419,000	840,000	24.6	4,000	0.1	242,000	7.1	200,000	5.8	2,070,000	60.5	12,000	0.4	52,000	1.5
Computer and information scientists	3,096,000	778,000	25.1	4,000	0.1	223,000	7.2	181,000	5.8	1,851,000	59.8	11,000	0.4	48,000	1.6
Computer and information scientists, research	93,000	31,000	33.3	s	s	s	s	2,000	2.2	57,000	61.3	s	s	s	s
Computer network architects	50,000	9,000	18.0	s	s	s	s	4,000	8.0	35,000	70.0	s	s	s	s
Computer support specialists	272,000	24,000	8.8	s	s	39,000	14.3	23,000	8.5	180,000	66.2	s	s	4,000	1.5
Computer system analysts	371,000	98,000	26.4	s	s	47,000	12.7	22,000	5.9	197,000	53.1	2,000	0.5	4,000	1.1
Database administrators	113,000	21,000	18.6	s	s	5,000	4.4	6,000	5.3	74,000	65.5	s	s	s	s
Information security analysts	106,000	20,000	18.9	s	s	14,000	13.2	10,000	9.4	51,000	48.1	s	s	11,000	10.4
Network and computer systems administrators	195,000	23,000	11.8	s	s	28,000	14.4	8,000	4.1	130,000	66.7	s	s	4,000	2.1
Software developers – applications and systems software	653,000	212,000	32.5	s	s	29,000	4.4	29,000	4.4	377,000	57.7	s	s	5,000	0.8
Web developers	164,000	19,000	11.6	s	s	7,000	4.3	8,000	4.9	126,000	76.8	s	s	4,000	2.4
Other computer information science occupations	337,000	41,000	12.2	s	s	24,000	7.1	24,000	7.1	240,000	71.2	s	s	5,000	1.5
Computer engineers – software	742,000	280,000	37.7	s	s	26,000	3.5	45,000	6.1	383,000	51.6	s	s	5,000	0.7
Mathematical scientists	209,000	37,000	17.7	s	s	14,000	6.7	12,000	5.7	143,000	68.4	s	s	2,000	1.0
Mathematicians	13,000	s	s	s	s	s	s	s	s	1,000	s	s	s	s	s
Operations research analysts, including modeling	125,000	16,000	12.8	s	s	4,000	3.2	8,000	6.4	95,000	76.0	s	s	2,000	1.6
Statisticians	46,000	14,000	30.4	s	s	1,000	2.2	3,000	6.5	27,000	58.7	s	s	s	s
Other mathematical scientists	26,000	4,000	15.4	s	s	s	s	1,000	s	19,000	73.1	s	s	s	s
Postsecondary teachers – computer and mathematical sciences	114,000	26,000	22.8	s	s	5,000	4.4	7,000	6.1	76,000	66.7	s	s	2,000	1.8
Computer science	32,000	10,000	31.3	s	s	2,000	6.3	4,000	12.5	15,000	46.9	s	s	s	s
Mathematics and statistics	82,000	16,000	19.5	s	s	3,000	3.7	2,000	2.4	60,000	73.2	s	s	1,000	1.2

TABLE S3-15

## Employed scientists and engineers, by race, ethnicity, and occupation: 2017

(Number and percent)

Occupation	Total	Asian		American Indian or Alaska Native		Black or African American		Hispanic or Latino		White		Native Hawaiian or Other Pacific Islander		More than one race	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Biological, agricultural, and environmental life scientists	610,000	126,000	20.7	s	s	20,000	3.3	38,000	6.2	415,000	68.0	1,000	0.2	9,000	1.5
Agricultural and food scientists	41,000	7,000	17.1	s	s	1,000	2.4	4,000	9.8	28,000	68.3	s	s	s	s
Biological and medical scientists	455,000	109,000	24.0	s	s	16,000	3.5	28,000	6.2	293,000	64.4	1,000	0	8,000	1.8
Biochemists and biophysicists	71,000	21,000	29.6	s	s	1,000	1.4	6,000	8.5	41,000	57.7	s	s	s	s
Biological scientists (e.g., botanists, ecologists, zoologists)	146,000	33,000	22.6	s	s	2,000	1.4	6,000	4.1	102,000	69.9	s	s	2,000	1.4
Medical scientists (excluding practitioners)	154,000	34,000	22.1	s	s	6,000	3.9	10,000	6.5	101,000	65.6	s	s	2,000	1.3
Other biological and life scientists	85,000	21,000	24.7	s	s	7,000	8.2	5,000	5.9	49,000	57.6	s	s	s	s
Forestry and conservation scientists	27,000	s	s	s	s	s	s	s	s	25,000	92.6	s	s	s	s
Postsecondary teachers – life and related sciences	87,000	9,000	10.3	s	s	2,000	2.3	5,000	5.7	69,000	79.3	s	s	s	s
Agriculture	5,000	s	s	s	s	s	s	s	s	4,000	80.0	s	s	s	s
Biological sciences	72,000	7,000	9.7	s	s	2,000	2.8	4,000	5.6	57,000	79.2	s	s	s	s
Other natural sciences	10,000	2,000	20.0	s	s	s	s	s	s	7,000	70.0	s	s	s	s
Physical and related scientists	366,000	51,000	13.9	s	s	11,000	3.0	29,000	7.9	265,000	72.4	s	s	7,000	1.9
Chemists, except biochemists	109,000	18,000	16.5	s	s	6,000	5.5	8,000	7.3	75,000	68.8	s	s	s	s
Earth scientists, geologists, and oceanographers	69,000	5,000	7.2	s	s	1,000	1.4	3,000	4.3	60,000	87.0	s	s	1,000	1.4
Atmospheric and space scientists	13,000	1,000	7.7	s	s	s	s	s	s	12,000	92.3	s	s	1,000	7.7
Geologists, including earth scientists	54,000	3,000	5.6	s	s	1,000	1.9	3,000	5.6	46,000	85.2	s	s	1,000	1.9
Oceanographers	2,000	s	s	s	s	s	s	s	s	2,000	100.0	s	s	s	s
Physicists and astronomers	42,000	13,000	31.0	s	s	s	s	2,000	4.8	25,000	59.5	s	s	1,000	2.4
Astronomers	4,000	s	s	s	s	s	s	s	s	3,000	75.0	s	s	s	s
Physicists, except biophysicists	38,000	13,000	34.2	s	s	s	s	1,000	2.6	22,000	57.9	s	s	1,000	2.6
Other physical and related scientists	65,000	5,000	7.7	s	s	3,000	4.6	13,000	20.0	41,000	63.1	s	s	2,000	3.1

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		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Postsecondary teachers – physical and related sciences	81,000	11,000	13.6	s	s	1,000	1.2	3,000	3.7	65,000	80.2	s	s	s	s
Chemistry	41,000	5,000	12.2	s	s	1,000	s	1,000	2.4	34,000	82.9	s	s	s	s
Earth, environmental, and marine sciences	20,000	s	s	s	s	s	s	1,000	5.0	17,000	85.0	s	s	s	s
Physics	19,000	3,000	15.8	s	s	s	s	s	s	14,000	73.7	s	s	s	s
Social and related scientists	646,000	38,000	5.9	s	s	48,000	7.4	95,000	14.7	451,000	69.8	s	s	10,000	1.5
Economists	47,000	3,000	6.4	s	s	1,000	2.1	4,000	8.5	37,000	78.7	s	s	s	s
Political scientists	33,000	s	s	s	s	s	s	11,000	33.3	18,000	54.5	s	s	s	s
Psychologists, including clinical	199,000	10,000	5.0	s	s	9,000	4.5	30,000	15.1	148,000	74.4	s	s	2,000	1.0
Sociologists and anthropologists	24,000	1,000	4.2	s	s	s	s	s	s	20,000	83.3	s	s	s	s
Anthropologists	13,000	s	s	s	s	s	s	s	s	11,000	84.6	s	s	s	s
Sociologists	11,000	s	s	s	s	s	s	s	s	9,000	81.8	s	s	s	s
Other social and related scientists	159,000	9,000	5.7	s	s	12,000	7.5	s	s	95,000	59.7	s	s	3,000	1.9
Postsecondary teachers – social and related sciences	183,000	14,000	7.7	s	s	23,000	12.6	8,000	4.4	133,000	72.7	s	s	3,000	1.6
Economics	25,000	3,000	12.0	s	s	4,000	16.0	1,000	4.0	17,000	68.0	s	s	s	s
Political science	20,000	s	s	s	s	4,000	20.0	1,000	5.0	14,000	70.0	s	s	s	s
Psychology	51,000	4,000	7.8	s	s	2,000	3.9	3,000	5.9	39,000	76.5	s	s	s	s
Sociology	18,000	2,000	11.1	s	s	s	s	s	s	13,000	72.2	s	s	s	s
Other social sciences	70,000	4,000	5.7	s	s	12,000	17.1	2,000	2.9	50,000	71.4	s	s	s	s
Engineers	1,728,000	283,000	16.4	5,000	0.3	62,000	3.6	143,000	8.3	1,196,000	69.2	8,000	0.5	31,000	1.8
Aerospace, aeronautical, or astronautical engineers	132,000	13,000	9.8	s	s	3,000	2.3	13,000	9.8	98,000	74.2	s	s	2,000	1.5
Chemical engineers	93,000	16,000	17.2	s	s	1,000	s	5,000	5.4	71,000	76.3	s	s	s	s
Civil, architectural, or sanitary engineers	264,000	31,000	11.7	s	s	10,000	3.8	27,000	10.2	191,000	72.3	s	s	4,000	1.5
Electrical or computer hardware engineers	374,000	98,000	26.2	s	s	16,000	4.3	28,000	7.5	222,000	59.4	s	s	8,000	2.1
Computer engineers – hardware	69,000	21,000	30.4	s	s	4,000	5.8	3,000	4.3	36,000	52.2	s	s	5,000	7.2
Electrical and electronics engineers	305,000	77,000	25.2	s	s	12,000	3.9	24,000	7.9	186,000	61.0	s	s	3,000	1.0

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		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Industrial engineers	88,000	10,000	11.4	s	s	3,000	3.4	15,000	17.0	59,000	67.0	s	s	s	s
Mechanical engineers	313,000	45,000	14.4	s	s	7,000	2.2	21,000	6.7	233,000	74.4	s	s	5,000	1.6
Other engineers	406,000	51,000	12.6	s	s	19,000	4.7	33,000	8.1	288,000	70.9	4,000	1.0	10,000	2.5
Agricultural engineers	4,000	s	s	s	s	s	s	s	s	3,000	75.0	s	s	s	s
Bioengineers or biomedical engineers	29,000	6,000	20.7	s	s	1,000	s	2,000	6.9	19,000	65.5	s	s	s	s
Environmental engineers	63,000	3,000	4.8	s	s	2,000	3.2	5,000	7.9	52,000	82.5	s	s	s	s
Marine engineers and naval architects	9,000	1,000	11.1	s	s	s	s	s	s	7,000	77.8	s	s	s	s
Materials and metallurgical engineers	31,000	4,000	12.9	s	s	s	s	3,000	9.7	21,000	67.7	s	s	s	s
Mining and geological engineers	6,000	2,000	33.3	s	s	s	s	s	s	3,000	50.0	s	s	s	s
Nuclear engineers	21,000	s	s	s	s	s	s	s	s	16,000	76.2	s	s	s	s
Petroleum engineers	21,000	3,000	14.3	s	s	s	s	s	s	15,000	71.4	s	s	s	s
Sales engineers	87,000	5,000	5.7	s	s	3,000	3.4	7,000	8.0	68,000	78.2	s	s	s	s
Other engineers	135,000	24,000	17.8	s	s	10,000	7.4	11,000	8.1	83,000	61.5	s	s	7,000	5.2
Postsecondary teachers – engineering	59,000	18,000	30.5	s	s	s	s	3,000	5.1	35,000	59.3	s	s	s	s
S&E-related occupations	8,271,000	1,042,000	12.6	28,000	0.3	610,000	7.4	702,000	8.5	5,726,000	69.2	16,000	0.2	147,000	1.8
Health-related occupations	5,181,000	649,000	12.5	23,000	0.4	416,000	8.0	433,000	8.4	3,551,000	68.5	10,000	0.2	99,000	1.9
Diagnosing or treating practitioners (e.g., dentists, optometrists, physicians, psychiatrists, podiatrists, surgeons, veterinarians)	1,237,000	226,000	18.3	s	s	85,000	6.9	100,000	8.1	801,000	64.8	s	s	18,000	1.5
Registered nurses, pharmacists, dieticians, therapists, physician assistants, nurse practitioners	2,538,000	263,000	10.4	11,000	0.4	168,000	6.6	199,000	7.8	1,836,000	72.3	7,000	0.3	54,000	2.1
Health technologists and technicians (e.g., dental hygienists, health record technicians, licensed practical nurses, laboratory or radiology technicians)	544,000	73,000	13.4	s	s	59,000	10.8	49,000	9.0	350,000	64.3	s	s	8,000	1.5

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		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Other health occupations	688,000	63,000	9.2	s	s	98,000	14.2	79,000	11.5	428,000	62.2	s	s	18,000	2.6
Postsecondary teachers – health and related sciences	175,000	24,000	13.7	s	s	6,000	3.4	6,000	3.4	137,000	78.3	s	s	1,000	0.6
S&E managers	1,048,000	136,000	13.0	4,000	0.4	52,000	5.0	72,000	6.9	768,000	73.3	3,000	0.3	13,000	1.2
Computer and information systems managers	243,000	60,000	24.7	s	s	11,000	4.5	20,000	8.2	145,000	59.7	s	s	7,000	2.9
Engineering managers	384,000	48,000	12.5	4,000	1.0	19,000	4.9	31,000	8.1	281,000	73.2	s	s	2,000	0.5
Medical and health services managers	358,000	21,000	5.9	s	s	19,000	5.3	18,000	5.0	296,000	82.7	s	s	1,000	0.3
Natural sciences managers	63,000	7,000	11.1	s	s	s	s	3,000	4.8	47,000	74.6	s	s	s	s
S&E precollege teachers	961,000	35,000	3.6	1,000	0.1	83,000	8.6	76,000	7.9	744,000	77.4	s	s	21,000	2.2
Secondary – computer, mathematics, or sciences	673,000	28,000	4.2	s	s	66,000	9.8	63,000	9.4	502,000	74.6	s	s	13,000	1.9
Secondary – social sciences	288,000	s	s	s	s	17,000	5.9	13,000	4.5	242,000	84.0	s	s	8,000	2.8
S&E technicians and technologists	837,000	185,000	22.1	s	s	54,000	6.5	94,000	11.2	493,000	58.9	1,000	0.1	10,000	1.2
Technologists and technicians in the biological and life sciences	106,000	22,000	20.8	s	s	9,000	8.5	13,000	12.3	61,000	57.5	s	s	1,000	0.9
Computer programmers (business, scientific, process control)	175,000	57,000	32.6	s	s	8,000	4.6	15,000	8.6	93,000	53.1	s	s	s	s
Electrical, electronic, industrial, and mechanical technicians	260,000	61,000	23.5	s	s	25,000	9.6	47,000	18.1	125,000	48.1	s	s	s	s
Drafting occupations, including computer drafting	35,000	4,000	11.4	s	s	s	s	s	s	29,000	82.9	s	s	s	s
Surveying and mapping technicians	16,000	s	s	s	s	s	s	s	s	12,000	75.0	s	s	s	s
Other engineering technologists and technicians	171,000	32,000	18.7	s	s	11,000	6.4	12,000	7.0	114,000	66.7	s	s	s	s
Surveyors, cartographers, photogrammetrists	28,000	s	s	s	s	s	s	s	s	23,000	82.1	s	s	s	s
Technologists and technicians in the mathematical sciences	3,000	s	s	s	s	s	s	s	s	2,000	66.7	s	s	s	s
Technologists and technicians in the physical sciences	43,000	6,000	14.0	s	s	s	s	s	s	33,000	76.7	s	s	s	s

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Other S&E-related occupations	244,000	36,000	14.8	s	s	5,000	2.0	27,000	11.1	170,000	69.7	s	s	4,000	1.6
Architects	199,000	27,000	13.6	s	s	5,000	2.5	26,000	13.1	136,000	68.3	s	s	4,000	2.0
Actuaries	45,000	9,000	20.0	s	s	s	s	s	s	35,000	77.8	s	s	s	s
Non-S&E occupations	12,233,000	1,166,000	9.5	37,000	0.3	1,016,000	8.3	1,121,000	9.2	8,628,000	70.5	27,000	0.2	239,000	2.0
Non-S&E managers	2,018,000	192,000	9.5	6,000	0.3	97,000	4.8	150,000	7.4	1,540,000	76.3	7,000	0.3	27,000	1.3
Top-level managers, executives, administrators (e.g., chief executive officer, chief operating officer, chief financial officer; president; district manager, general manager, provost)	1,185,000	126,000	10.6	5,000	0.4	42,000	3.5	69,000	5.8	927,000	78.2	2,000	0.2	13,000	1.1
Education administrators (e.g., registrar, dean, principal)	130,000	8,000	6.2	s	s	10,000	7.7	12,000	9.2	93,000	71.5	s	s	5,000	3.8
Other mid-level managers	704,000	58,000	8.2	s	s	45,000	6.4	69,000	9.8	520,000	73.9	s	s	9,000	1.3
Management-related occupations	2,256,000	317,000	14.1	12,000	0.5	203,000	9.0	217,000	9.6	1,460,000	64.7	6,000	0.3	40,000	1.8
Accountants, auditors, and other financial specialists	684,000	114,000	16.7	s	s	43,000	6.3	60,000	8.8	446,000	65.2	s	s	14,000	2.0
Personnel, training, and labor relations specialists	326,000	36,000	11.0	s	s	50,000	15.3	43,000	13.2	189,000	58.0	s	s	6,000	1.8
Other management-related occupations	1,246,000	167,000	13.4	s	s	110,000	8.8	114,000	9.1	825,000	66.2	3,000	0.2	19,000	1.5
Non-S&E precollege teachers	902,000	68,000	7.5	1,000	0.1	114,000	12.6	99,000	11.0	609,000	67.5	s	s	9,000	1.0
Prekindergarten and kindergarten	112,000	12,000	10.7	s	s	11,000	9.8	26,000	23.2	63,000	56.3	s	s	s	s
Elementary	345,000	23,000	6.7	s	s	45,000	13.0	25,000	7.2	247,000	71.6	s	s	4,000	1.2
Secondary – other subjects	153,000	s	s	s	s	24,000	15.7	19,000	12.4	94,000	61.4	s	s	2,000	1.3
Special education – primary and secondary	218,000	4,000	1.8	s	s	20,000	9.2	27,000	12.4	166,000	76.1	s	s	1,000	0.5
Other precollegiate area	74,000	15,000	20.3	s	s	14,000	18.9	3,000	4.1	40,000	54.1	s	s	s	s
Non-S&E postsecondary teachers	226,000	21,000	9.3	s	s	16,000	7.1	14,000	6.2	170,000	75.2	s	s	3,000	1.3
Arts, drama, and music	5,000	s	s	s	s	s	s	s	s	3,000	60.0	s	s	s	s
Business, commerce, and marketing	32,000	7,000	21.9	s	s	3,000	9.4	s	s	22,000	68.8	s	s	s	s

TABLE S3-15

**Employed scientists and engineers, by race, ethnicity, and occupation: 2017**

(Number and percent)

Occupation	Total	Asian		American Indian or Alaska Native		Black or African American		Hispanic or Latino		White		Native Hawaiian or Other Pacific Islander		More than one race	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Education	43,000	4,000	9.3	s	s	2,000	4.7	s	s	29,000	67.4	s	s	2,000	4.7
English	34,000	s	s	s	s	s	s	s	s	28,000	82.4	s	s	s	s
Foreign language	10,000	1,000	10.0	s	s	s	s	1,000	10.0	6,000	60.0	s	s	s	s
History	9,000	s	s	s	s	s	s	s	s	8,000	88.9	s	s	s	s
Physical education	6,000	s	s	s	s	s	s	s	s	s	s	s	s	s	s
Other postsecondary fields	87,000	7,000	8.0	s	s	7,000	8.0	3,000	3.4	68,000	78.2	s	s	s	s
Social services and related occupations	967,000	38,000	3.9	4,000	0.4	148,000	15.3	115,000	11.9	647,000	66.9	1,000	0	14,000	1.4
Clergy and other religious workers	119,000	7,000	5.9	s	s	10,000	8.4	7,000	5.9	95,000	79.8	s	s	s	s
Counselors (e.g., educational, vocational, mental health, substance abuse)	453,000	17,000	3.8	4,000	1	56,000	12.4	56,000	12.4	312,000	68.9	s	s	8,000	1.8
Social workers	396,000	14,000	3.5	s	s	82,000	20.7	53,000	13.4	240,000	60.6	s	s	6,000	1.5
Sales and marketing occupations	1,425,000	138,000	9.7	s	s	78,000	5.5	102,000	7.2	1,059,000	74.3	1,000	s	43,000	3.0
Insurance, securities, real estate, and business services	371,000	25,000	6.7	s	s	28,000	7.5	28,000	7.5	287,000	77.4	s	s	2,000	0.5
Sales – commodities except retail (e.g., industrial, medical, dental machinery, equipment, supplies)	223,000	13,000	5.8	s	s	4,000	1.8	16,000	7.2	187,000	83.9	s	s	4,000	1.8
Sales – retail (e.g., furnishings, clothing, motor vehicles, cosmetics)	393,000	49,000	12.5	s	s	24,000	6.1	27,000	6.9	267,000	67.9	s	s	25,000	6.4
Other marketing and sales occupations	437,000	50,000	11.4	s	s	23,000	5.3	31,000	7.1	318,000	72.8	s	s	11,000	2.5
Arts, humanities, and related occupations	385,000	22,000	5.7	s	s	33,000	8.6	29,000	7.5	289,000	75.1	s	s	12,000	3.1
Writers, editors, public relations specialists, artists, entertainers, broadcasters	379,000	22,000	5.8	s	s	33,000	8.7	29,000	7.7	282,000	74.4	s	s	12,000	3.2
Historians	7,000	s	s	s	s	s	s	s	s	7,000	s	s	s	s	s
Other non-S&E occupations	4,054,000	369,000	9.1	9,000	0.2	326,000	8.0	395,000	9.7	2,854,000	70.4	11,000	0.3	90,000	2.2
Accounting clerks and bookkeepers	192,000	20,000	10.4	s	s	16,000	8.3	22,000	11.5	131,000	68.2	s	s	2,000	1.0

TABLE S3-15

**Employed scientists and engineers, by race, ethnicity, and occupation: 2017**

(Number and percent)

Occupation	Total	Asian		American Indian or Alaska Native		Black or African American		Hispanic or Latino		White		Native Hawaiian or Other Pacific Islander		More than one race	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Secretaries, receptionists, typists	227,000	25,000	11.0	s	s	22,000	9.7	24,000	10.6	149,000	65.6	s	s	6,000	2.6
Other administrative (e.g., record clerks, telephone operators)	745,000	89,000	11.9	s	s	86,000	11.5	84,000	11.3	467,000	62.7	s	s	16,000	2.1
Farmers, foresters, and fishermen	127,000	3,000	2.4	s	s	s	s	s	s	115,000	90.6	s	s	s	s
Lawyers, judges	648,000	29,000	4.5	s	s	26,000	4.0	44,000	6.8	536,000	82.7	s	s	11,000	1.7
Librarians, archivists, curators	93,000	7,000	7.5	s	s	9,000	9.7	4,000	4.3	61,000	65.6	s	s	12,000	12.9
Food preparation and service (e.g., cooks, waitresses, bartenders)	196,000	20,000	10.2	s	s	7,000	3.6	14,000	7.1	147,000	75.0	s	s	7,000	3.6
Protective services (e.g., firefighters, police, guards, wardens, park rangers)	172,000	12,000	7.0	s	s	23,000	13.4	24,000	14.0	109,000	63.4	s	s	3,000	1.7
Other service occupations, except health (e.g., probation officer, human services work)	447,000	32,000	7.2	s	s	45,000	10.1	56,000	12.5	302,000	67.6	s	s	12,000	2.7
Other teachers and instructors (e.g., private tutors, dance, flying, martial arts)	209,000	14,000	6.7	s	s	18,000	8.6	30,000	14.4	141,000	67.5	s	s	3,000	1.4
Construction and extraction occupations	69,000	7,000	10.1	s	s	3,000	4.3	4,000	5.8	52,000	75.4	s	s	s	s
Installation, maintenance, and repair occupations	144,000	20,000	13.9	s	s	s	s	8,000	5.6	107,000	74.3	s	s	s	s
Precision or production occupations (e.g., metal or wood workers, butchers, bakers, assemblers, tailors)	146,000	21,000	14.4	s	s	11,000	7.5	6,000	4.1	105,000	71.9	s	s	s	s
Transportation and material moving occupations	184,000	28,000	15.2	s	s	18,000	9.8	16,000	8.7	116,000	63.0	s	s	2,000	1.1
Other occupations	454,000	43,000	9.5	s	s	36,000	7.9	54,000	11.9	315,000	69.4	s	s	4,000	0.9

s = suppressed for reasons of confidentiality and/or reliability.



**Note(s)**

Scientists and engineers include those with one or more S&E or S&E-related degrees at the bachelor's level or higher or those who have only a non-S&E degree at the bachelor's level or higher and are employed in an S&E or S&E-related occupation. Hispanic may be any race; race categories exclude Hispanic origin. Detail may not add to total because of rounding. Numbers are rounded to the nearest 1,000. Percentages are based on rounded numbers.

**Source(s)**

National Center for Science and Engineering Statistics, National Science Foundation, National Survey of College Graduates (NSCG), 2017.

*Science and Engineering Indicators*