



APPENDIX TABLE 3-15

Employed scientists and engineers, by race, ethnicity, and occupation: 2015

(Number and percent)

Occupation	Total	Asian		American Indian or Alaska Native		Black		Hispanic		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	25,306,000	3,123,000	12.3	76,000	0.3	1,716,000	6.8	2,029,000	8.0	17,842,000	70.5	76,000	0.3	443,000	1.8
S&E occupations	6,407,000	1,321,000	20.6	10,000	0.2	308,000	4.8	387,000	6.0	4,267,000	66.6	12,000	0.2	103,000	1.6
Computer and mathematical scientists	3,156,000	813,000	25.8	2,000	0.1	162,000	5.1	159,000	5.0	1,965,000	62.3	6,000	0.2	50,000	1.6
Computer and information scientists	2,823,000	722,000	25.6	1,000	0.0	152,000	5.4	145,000	5.1	1,752,000	62.1	6,000	0.2	45,000	1.6
Computer and information scientists, research	64,000	23,000	35.9	s	s	s	s	s	s	39,000	60.9	s	s	s	s
Computer network architects	48,000	11,000	22.9	s	s	4,000	8.3	s	s	31,000	64.6	s	s	s	s
Computer support specialists	242,000	27,000	11.2	s	s	24,000	9.9	12,000	5.0	176,000	72.7	s	s	s	s
Computer system analysts	333,000	91,000	27.3	s	s	26,000	7.8	18,000	5.4	188,000	56.5	2,000.0	0.6	8,000	2.4
Database administrators	146,000	27,000	18.5	s	s	10,000	6.8	4,000	2.7	104,000	71.2	s	s	s	s
Information security analysts	69,000	13,000	18.8	s	s	9,000	13.0	s	s	37,000	53.6	s	s	s	s
Network and computer systems administrators	188,000	34,000	18.1	s	s	16,000	8.5	11,000	5.9	124,000	66.0	s	s	1,000	0.5
Software developers — applications and systems software	623,000	210,000	33.7	s	s	16,000	2.6	26,000	4.2	363,000	58.3	s	s	8,000	1.3
Web developers	174,000	21,000	12.1	s	s	3,000	1.7	9,000	5.2	137,000	78.7	s	s	3,000	1.7
Other computer information science occupations	345,000	39,000	11.3	s	s	25,000	7.2	15,000	4.3	255,000	73.9	s	s	10,000	2.9



Occupation	Total	Asian		American Indian or Alaska Native		Black		Hispanic		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
Computer engineers — software	592,000	224,000	37.8	s	s	18,000	3.0	42,000	7.1	300,000	50.7	s	s	7,000	1.2
Mathematical scientists	218,000	75,000	34.4	s	s	5,000	2.3	8,000	3.7	126,000	57.8	s	s	4,000	1.8
Mathematicians	7,000	s	s	s	s	s	s	s	s	5,000	71.4	s	s	s	s
Operations research analysts, including modeling	122,000	22,000	18.0	s	s	3,000	s	5,000	4.1	90,000	73.8	s	s	3,000.0	s
Statisticians	74,000	s	s	s	s	1,000	s	1,000	s	25,000	s	s	s	s	s
Other mathematical scientists	15,000	s	s	s	s	*	*	s	s	7,000	46.7	s	s	s	s
Postsecondary teachers — computer and mathematical sciences	114,000	16,000	14.0	s	s	5,000	4.4	5,000	4.4	86,000	75.4	s	s	s	s
Computer science	22,000	3,000	13.6	s	s	s	s	2,000	9.1	14,000	63.6	s	s	s	s
Mathematics and statistics	92,000	13,000	14.1	s	s	3,000	3.3	3,000	3.3	72,000	78.3	s	s	s	s
Biological, agricultural, and environmental life scientists	631,000	114,000	18.1	2,000	0.3	16,000	2.5	37,000	5.9	449,000	71.2	1,000	0.2	12,000	1.9
Agricultural and food scientists	52,000	8,000	15.4	s	s	2,000	3.8	3,000	5.8	38,000	73.1	s	s	*	*
Biological and medical scientists	443,000	98,000	22.1	1,000	0.2	11,000	2.5	28,000	6.3	296,000	66.8	*	*	10,000	2.3
Biochemists and biophysicists	72,000	28,000	38.9	s	s	1,000	1.4	4,000	5.6	37,000	51.4	s	s	1,000	1.4
Biological scientists (e.g., botanists, ecologists, zoologists)	137,000	17,000	12.4	s	s	3,000	2.2	7,000	5.1	105,000	76.6	s	s	6,000	4.4
Medical scientists (excluding practitioners)	136,000	34,000	25.0	s	s	4,000	2.9	7,000	5.1	90,000	66.2	s	s	1,000	0.7
Other biological and life scientists	98,000	19,000	19.4	s	s	3,000	3.1	10,000	10.2	64,000	65.3	s	s	2,000	2.0
Forestry and conservation scientists	59,000	*	*	s	s	*	*	3,000	s	55,000	93.2	s	s	s	s



Occupation	Total	Asian		American Indian or Alaska Native		Black		Hispanic		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
Postsecondary teachers — life and related sciences	78,000	7,000	9.0	s	s	3,000	3.8	4,000	5.1	61,000	78.2	s	s	2,000	2.6
Agriculture	5,000	s	s	s	s	s	s	*	*	5,000	100.0	s	s	s	s
Biological sciences	62,000	7,000	11.3	s	s	2,000	3.2	4,000	6.5	48,000	77.4	s	s	2,000	3.2
Other natural sciences	11,000	s	s	s	s	s	s	*	*	9,000	81.8	s	s	s	s
Physical and related scientists	331,000	64,000	19.3	1,000	0.3	13,000	3.9	17,000	5.1	233,000	70.4	s	s	3,000	0.9
Chemists, except biochemists	105,000	24,000	22.9	s	s	6,000	5.7	7,000	6.7	67,000	63.8	s	s	1,000	1.0
Earth scientists, geologists, and oceanographers	66,000	6,000	9.1	s	s	1,000	1.5	2,000	3.0	56,000	84.8	s	s	1,000	1.5
Atmospheric and space scientists	15,000	s	s	s	s	s	s	*	*	11,000	73.3	s	s	*	*
Geologists, including earth scientists	48,000	2,000	4.2	s	s	1,000	2.1	2,000	4.2	43,000	89.6	s	s	1,000	2.1
Oceanographers	4,000	s	s	s	s	s	s	s	s	2,000	50.0	s	s	s	s
Physicists and astronomers	49,000	16,000	32.7	s	s	s	s	2,000	4.1	29,000	59.2	s	s	s	s
Astronomers	7,000	2,000	28.6	s	s	s	s	s	s	5,000	71.4	s	s	s	s
Physicists, except biophysicists	42,000	14,000	33.3	s	s	s	s	1,000	2.4	25,000	59.5	s	s	s	s
Other physical and related scientists	45,000	6,000	13.3	s	s	1,000	2.2	3,000	6.7	34,000	75.6	s	s	s	s
Postsecondary teachers — physical and related sciences	65,000	12,000	18.5	s	s	4,000	6.2	3,000	4.6	46,000	70.8	s	s	s	s
Chemistry	28,000	7,000	25.0	s	s	3,000	10.7	2,000	7.1	17,000	60.7	s	s	s	s
Earth, environmental, and marine sciences	15,000	1,000	6.7	s	s	s	s	*	*	13,000	86.7	s	s	s	s



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		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Physics	22,000	4,000	18.2	s	s	s	s	s	s	16,000	72.7	s	s	s	s
Social and related scientists	570,000	51,000	8.9	2,000	0.4	42,000	7.4	55,000	9.6	407,000	71.4	s	s	11,000	1.9
Economists	32,000	5,000	15.6	s	s	2,000	6.3	4,000	12.5	20,000	62.5	s	s	*	*
Political scientists	25,000	s	s	s	s	s	s	s	s	19,000	76.0	s	s	s	s
Psychologists, including clinical	213,000	12,000	5.6	s	s	18,000	8.5	28,000	13.1	151,000	70.9	s	s	3,000	1.4
Sociologists and anthropologists	31,000	1,000	s	s	s	s	s	2,000	6.5	24,000	77.4	s	s	s	s
Anthropologists	11,000	s	s	s	s	s	s	*	*	9,000	81.8	s	s	s	s
Sociologists	20,000	s	s	s	s	s	s	2,000	s	15,000	75.0	s	s	s	s
Other social and related scientists	108,000	15,000	13.9	s	s	7,000	6.5	8,000	7.4	74,000	68.5	s	s	3,000	2.8
Postsecondary teachers — social and related sciences	162,000	16,000	9.9	s	s	13,000	8.0	9,000	5.6	120,000	74.1	s	s	4,000	2.5
Economics	21,000	4,000	19.0	s	s	2,000	9.5	1,000	4.8	15,000	71.4	s	s	s	s
Political science	21,000	s	s	s	s	1,000	4.8	1,000	4.8	17,000	81.0	s	s	s	s
Psychology	38,000	4,000	10.5	s	s	4,000	10.5	3,000	7.9	26,000	68.4	s	s	1,000	2.6
Sociology	14,000	1,000	7.1	s	s	s	s	1,000	7.1	10,000	71.4	s	s	1,000	7.1
Other social sciences	68,000	5,000	7.4	s	s	6,000	8.8	3,000	4.4	53,000	77.9	s	s	s	s
Engineers	1,719,000	279,000	16.2	4,000	0.2	74,000	4.3	120,000	7.0	1,213,000	70.6	4,000	0.2	27,000	1.6
Aerospace, aeronautical, or astronautical engineers	96,000	12,000	12.5	s	s	2,000	2.1	11,000	11.5	68,000	70.8	s	s	s	s



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		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Chemical engineers	80,000	13,000	16.3	s	s	s	s	4,000	5.0	59,000	73.8	s	s	2,000	2.5
Civil, architectural, or sanitary engineers	251,000	37,000	14.7	s	s	11,000	4.4	20,000	8.0	176,000	70.1	s	s	5,000	2.0
Electrical or computer hardware engineers	360,000	85,000	23.6	s	s	17,000	4.7	25,000	6.9	226,000	62.8	1,000	0.3	5,000	1.4
Computer engineers — hardware	70,000	24,000	34.3	s	s	1,000.0	1.4	4,000	5.7	40,000	57.1	s	s	s	s
Electrical and electronics engineers	290,000	62,000	21.4	s	s	16,000	5.5	21,000	7.2	186,000	64.1	1,000	0.3	4,000	1.4
Industrial engineers	82,000	13,000	15.9	s	s	7,000	8.5	7,000	8.5	55,000	67.1	s	s	*	*
Mechanical engineers	337,000	46,000	13.6	s	s	12,000	3.6	19,000	5.6	255,000	75.7	1,000	0.3	5,000	1.5
Other engineers	460,000	57,000	12.4	s	s	21,000	4.6	29,000	6.3	343,000	74.6	s	s	7,000	1.5
Agricultural engineers	7,000	s	s	s	s	s	s	s	s	6,000	85.7	s	s	s	s
Bioengineers or biomedical engineers	26,000	4,000	15.4	s	s	1,000	3.8	2,000	7.7	19,000	73.1	s	s	s	s
Environmental engineers	66,000	6,000	9.1	s	s	4,000	6.1	4,000	6.1	49,000	74.2	s	s	s	s
Marine engineers and naval architects	12,000	*	*	s	s	s	s	s	s	10,000	83.3	s	s	s	s
Materials and metallurgical engineers	31,000	3,000	9.7	s	s	s	s	2,000	6.5	23,000	74.2	s	s	s	s
Mining and geological engineers	5,000	s	s	s	s	s	s	s	s	3,000	60.0	s	s	s	s
Nuclear engineers	25,000	1,000	4.0	s	s	*	*	s	s	19,000	76.0	s	s	s	s
Petroleum engineers	19,000	3,000	15.8	s	s	s	s	1,000	5.3	14,000	73.7	s	s	s	s
Sales engineers	90,000	5,000	5.6	s	s	4,000	4.4	5,000	5.6	73,000	81.1	s	s	s	s



Occupation	Total	Asian		American Indian or Alaska Native		Black		Hispanic		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
Other engineers	178,000	33,000	18.5	s	s	8,000	4.5	8,000	4.5	126,000	70.8	s	s	3,000	1.7
Postsecondary teachers — engineering	53,000	16,000	30.2	s	s	1,000	1.9	3,000	5.7	32,000	60.4	s	s	s	s
S&E-related occupations	7,867,000	871,000	11.1	27,000	0.3	515,000	6.5	629,000	8.0	5,676,000	72.1	21,000	0.3	128,000	1.6
Health-related occupations	4,883,000	542,000	11.1	19,000	0.4	312,000	6.4	415,000	8.5	3,512,000	71.9	15,000	0.3	69,000	1.4
Diagnosing or treating practitioners (e.g., dentists, optometrists, physicians, psychiatrists, podiatrists, surgeons, veterinarians)	1,205,000	189,000	15.7	s	s	54,000	4.5	90,000	7.5	855,000	71.0	s	s	14,000	1.2
Registered nurses, pharmacists, dieticians, therapists, physician assistants, nurse practitioners	2,307,000	234,000	10.1	9,000	0.4	120,000	5.2	160,000	6.9	1,739,000	75.4	10,000	0.4	36,000	1.6
Health technologists and technicians (e.g., dental hygienists, health record technicians, licensed practical nurses, laboratory or radiology technicians)	513,000	47,000	9.2	s	s	57,000	11.1	41,000	8.0	356,000	69.4	s	s	9,000	1.8
Other health occupations	718,000	62,000	8.6	4,000	0.6	74,000	10.3	118,000	16.4	446,000	62.1	s	s	9,000	1.3
Postsecondary teachers — health and related sciences	140,000	10,000	7.1	s	s	7,000	5.0	7,000	5.0	116,000	82.9	s	s	s	s
S&E managers	967,000	124,000	12.8	5,000	0.5	63,000	6.5	60,000	6.2	701,000	72.5	s	s	11,000	1.1
Computer and information systems managers	229,000	55,000	24.0	s	s	21,000	9.2	10,000	4.4	142,000	62.0	s	s	2,000	0.9
Engineering managers	362,000	41,000	11.3	4,000	1.1	10,000	2.8	25,000	6.9	276,000	76.2	s	s	5,000	1.4
Medical and health services managers	320,000	23,000	7.2	s	s	29,000	9.1	23,000	7.2	239,000	74.7	s	s	4,000	1.3
Natural sciences managers	55,000	5,000	9.1	s	s	s	s	3,000	5.5	44,000	80.0	s	s	s	s



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		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
S&E precollege teachers	1,029,000	34,000	3.3	2,000	0.2	64,000	6.2	81,000	7.9	817,000	79.4	*	*	31,000	3.0
Secondary — computer, mathematics, or sciences	729,000	28,000	3.8	1,000.0	0.1	50,000	6.9	62,000	8.5	572,000	78.5	*	*	17,000	2.3
Secondary — social sciences	300,000	6,000	2.0	s	s	15,000	5.0	19,000	6.3	245,000	81.7	s	s	14,000	4.7
S&E technicians and technologists	782,000	145,000	18.5	s	s	70,000	9.0	57,000	7.3	489,000	62.5	s	s	16,000	2.0
Technologists and technicians in the biological and life sciences	102,000	22,000	21.6	s	s	8,000	7.8	10,000	9.8	61,000	59.8	s	s	1,000	1.0
Computer programmers (business, scientific, process control)	166,000	37,000	22.3	s	s	12,000	7.2	5,000	3.0	109,000	65.7	s	s	s	s
Electrical, electronic, industrial, and mechanical technicians	243,000	49,000	20.2	s	s	35,000	14.4	21,000	8.6	132,000	54.3	s	s	6,000	2.5
Drafting occupations, including computer drafting	28,000	3,000	10.7	s	s	s	s	2,000	7.1	17,000	60.7	s	s	s	s
Surveying and mapping technicians	15,000	s	s	s	s	s	s	s	s	11,000	73.3	s	s	s	s
Other engineering technologists and technicians	177,000	27,000	15.3	s	s	12,000	6.8	13,000	7.3	118,000	66.7	s	s	s	s
Surveyors, cartographers, photogrammetrists	11,000	s	s	s	s	s	s	s	s	9,000	81.8	s	s	s	s
Technologists and technicians in the mathematical sciences	3,000	*	*	s	s	s	s	s	s	2,000	66.7	s	s	s	s
Technologists and technicians in the physical sciences	37,000	3,000	8.1	s	s	s	s	s	s	30,000	81.1	s	s	s	s
Other S&E-related occupations	207,000	25,000	12.1	s	s	5,000	2.4	16,000	7.7	157,000	75.8	s	s	1,000	0.5
Architects	174,000	22,000	12.6	s	s	5,000	2.9	15,000	8.6	129,000	74.1	s	s	s	s
Actuaries	33,000	3,000	9.1	s	s	s	s	s	s	28,000	84.8	s	s	s	s
Non-S&E occupations	11,031,000	931,000	8.4	39,000	0.4	894,000	8.1	1,012,000	9.2	7,900,000	71.6	43,000	0.4	211,000	1.9



Occupation	Total	Asian		American Indian or Alaska Native		Black		Hispanic		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
Non-S&E managers	1,825,000	158,000	8.7	4,000	0.2	75,000	4.1	117,000	6.4	1,440,000	78.9	6,000	0.3	24,000	1.3
Top-level managers, executives, administrators (e.g., chief executive officer, chief operating officer, chief financial officer; president; district manager, general manager, provost)	1,099,000	92,000	8.4	2,000	0.2	28,000	2.5	62,000	5.6	899,000	81.8	5,000	0.5	10,000	0.9
Education administrators (e.g., registrar, dean, principal)	132,000	10,000	7.6	s	s	11,000	8.3	9,000	6.8	101,000	76.5	s	s	s	s
Other mid-level managers	594,000	57,000	9.6	2,000	0.3	36,000	6.1	46,000	7.7	440,000	74.1	*	*	13,000	2.2
Management-related occupations	2,085,000	220,000	10.6	5,000	0.2	193,000	9.3	196,000	9.4	1,431,000	68.6	12,000	0.6	28,000	1.3
Accountants, auditors, and other financial specialists	720,000	102,000	14.2	s	s	48,000	6.7	59,000	8.2	500,000	69.4	1,000	0.1	8,000	1.1
Personnel, training, and labor relations specialists	295,000	11,000	3.7	s	s	41,000	13.9	30,000	10.2	208,000	70.5	s	s	3,000	1.0
Other management-related occupations	1,070,000	106,000	9.9	s	s	104,000	9.7	106,000	9.9	724,000	67.7	10,000	0.9	17,000	1.6
Non-S&E precollege teachers	825,000	47,000	5.7	s	s	89,000	10.8	85,000	10.3	586,000	71.0	9,000	1.1	8,000	1.0
Prekindergarten and kindergarten	129,000	9,000	7.0	s	s	20,000	15.5	15,000	11.6	83,000	64.3	s	s	s	?
Elementary	385,000	20,000	5.2	s	s	46,000	11.9	42,000	10.9	273,000	70.9	s	s	4,000	1.0
Secondary — other subjects	124,000	s	s	s	s	7,000	5.6	12,000	9.7	88,000	71.0	s	s	1,000	0.8
Special education — primary and secondary	139,000	6,000	4.3	s	s	12,000	8.6	13,000	9.4	107,000	77.0	s	s	1,000	0.7
Other precollegiate area	48,000	4,000	8.3	s	s	5,000	10.4	4,000	8.3	34,000	70.8	s	s	s	s
Non-S&E postsecondary teachers	184,000	16,000	8.7	s	s	13,000	7.1	12,000	6.5	137,000	74.5	s	s	2,000	1.1
Arts, drama, and music	6,000	s	s	s	s	s	s	s	s	5,000	83.3	s	s	s	s



Occupation	Total	Asian		American Indian or Alaska Native		Black		Hispanic		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
Business, commerce, and marketing	31,000	6,000	19.4	s	s	2,000	6.5	1,000	3.2	22,000	71.0	s	s	s	s
Education	30,000	5,000	16.7	s	s	2,000	6.7	2,000	6.7	21,000	70.0	s	s	s	s
English	28,000	1,000	3.6	s	s	s	s	s	s	23,000	82.1	s	s	1,000	s
Foreign language	13,000	1,000	7.7	s	s	s	s	3,000	23.1	3,000	23.1	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	3,000	s	s	s	s	s	s	s	s	3,000	100.0	s	s	s	s
Other postsecondary fields	65,000	3,000	4.6	s	s	4,000	6.2	4,000	6.2	52,000	80.0	s	s	1,000	1.5
Social services and related occupations	883,000	40,000	4.5	5,000	0.6	124,000	14.0	109,000	12.3	581,000	65.8	s	s	23,000	2.6
Clergy and other religious workers	120,000	11,000	9.2	s	s	9,000	7.5	10,000	8.3	88,000	73.3	s	s	s	s
Counselors (e.g., educational, vocational, mental health, substance abuse)	436,000	20,000	4.6	s	s	51,000	11.7	49,000	11.2	295,000	67.7	s	s	18,000	4.1
Social workers	327,000	9,000	2.8	s	s	64,000	19.6	50,000	15.3	198,000	60.6	s	s	5,000	1.5
Sales and marketing occupations	1,467,000	139,000	9.5	s	s	93,000	6.3	122,000	8.3	1,066,000	72.7	s	s	36,000	2.5
Insurance, securities, real estate, and business services	406,000	42,000	10.3	s	s	27,000	6.7	37,000	9.1	294,000	72.4	s	s	4,000	1.0
Sales — commodities except retail (e.g., industrial, medical, dental machinery, equipment, supplies)	216,000	9,000	4.2	s	s	8,000	3.7	21,000	9.7	176,000	81.5	s	s	2,000	0.9
Sales — retail (e.g., furnishings, clothing, motor vehicles, cosmetics)	345,000	42,000	12.2	s	s	19,000	5.5	32,000	9.3	234,000	67.8	s	s	17,000	4.9
Other marketing and sales occupations	501,000	46,000	9.2	s	s	39,000	7.8	32,000	6.4	361,000	72.1	s	s	13,000	2.6



Occupation	Total	Asian		American Indian or Alaska Native		Black		Hispanic		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
Arts, humanities, and related occupations	331,000	21,000	6.3	s	s	16,000	4.8	16,000	4.8	267,000	80.7	s	s	9,000	2.7
Writers, editors, public relations specialists, artists, entertainers, broadcasters	328,000	21,000	6.4	s	s	16,000	4.9	16,000	4.9	264,000	80.5	s	s	9,000	2.7
Historians	4,000	s	s	s	s	s	s	s	s	4,000	100.0	s	s	s	s
Other non-S&E occupations	3,430,000	290,000	8.5	11,000	0.3	291,000	8.5	355,000	10.3	2,391,000	69.7	10,000	0.3	81,000	2.4
Accounting clerks and bookkeepers	163,000	25,000	15.3	s	s	s	s	7,000	4.3	106,000	65.0	s	s	s	s
Secretaries, receptionists, typists	222,000	26,000	11.7	s	s	23,000	10.4	30,000	13.5	134,000	60.4	s	s	s	s
Other administrative (e.g., record clerks, telephone operators)	577,000	69,000	12.0	*	*	78,000	13.5	79,000	13.7	335,000	58.1	s	s	13,000	2.3
Farmers, foresters, and fishermen	99,000	2,000	2.0	s	s	s	s	s	s	90,000	90.9	s	s	*	*
Lawyers, judges	635,000	30,000	4.7	s	s	26,000	4.1	37,000	5.8	527,000	83.0	s	s	13,000	2.0
Librarians, archivists, curators	95,000	2,000	2.1	s	s	3,000	3.2	6,000	6.3	74,000	77.9	s	s	9,000	9.5
Food preparation and service (e.g., cooks, waitresses, bartenders)	136,000	19,000	14.0	s	s	4,000	2.9	13,000	9.6	93,000	68.4	s	s	7,000	5.1
Protective services (e.g., firefighters, police, guards, wardens, park rangers)	155,000	4,000	2.6	s	s	20,000	12.9	13,000	8.4	113,000	72.9	s	s	5,000	3.2
Other service occupations, except health (e.g., probation officer, human services work)	380,000	25,000	6.6	s	s	36,000	9.5	56,000	14.7	239,000	62.9	s	s	16,000	4.2
Other teachers and instructors (e.g., private tutors, dance, flying, martial arts)	230,000	13,000	5.7	s	s	25,000	10.9	15,000	6.5	173,000	75.2	s	s	3,000	1.3



Occupation	Total	Asian		American Indian or Alaska Native		Black		Hispanic		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
Construction and extraction occupations	88,000	s	s	s	s	3,000	3.4	5,000	5.7	70,000	79.5	s	s	s	s
Installation, maintenance, and repair occupations	127,000	8,000	6.3	s	s	s	s	12,000	9.4	104,000	81.9	s	s	s	s
Precision or production occupations (e.g., metal or wood workers, butchers, bakers, assemblers, tailors)	140,000	14,000	10.0	s	s	14,000	10.0	17,000	12.1	93,000	66.4	s	s	s	s
Transportation and material moving occupations	199,000	20,000	10.1	s	s	19,000	9.5	15,000	7.5	143,000	71.9	s	s	s	s
Other occupations	183,000	26,000	14.2	s	s	11,000	6.0	45,000	24.6	96,000	52.5	s	s	2,000	1.1

* = estimate < 500; 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; American Indian or Alaska Native, Asian, black or African American, Native Hawaiian or Other Pacific Islander, white, and more than one race refer to individuals who are not of 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 Science Foundation, National Center for Science and Engineering Statistics, National Survey of College Graduates (NSCG) (2015), <https://www.nsf.gov/statistics/srvygrads/>.

Science and Engineering Indicators 2018