

TABLE S3-19

Estimate and median salary of full-time workers with highest degree in S&E field, by sex and occupation: 2017

(Number and dollars)

Occupation	Total		Female		Male	
	Number	Median salary (\$)	Number	Median salary (\$)	Number	Median salary (\$)
All occupations	12,315,000	80,000	4,501,000	60,000	7,814,000	90,000
S&E occupations	4,643,000	93,000	1,154,000	80,000	3,488,000	98,000
Computer and mathematical scientists	2,208,000	100,000	490,000	90,000	1,718,000	103,000
Computer and information scientists	2,047,000	100,000	430,000	90,000	1,617,000	104,000
Computer and information scientists, research	62,000	108,000	11,000	s	51,000	110,000
Computer network architect	36,000	118,000	s	s	35,000	122,000
Computer support specialists	131,000	63,000	39,000	55,000	92,000	65,000
Computer system analysts	218,000	93,000	74,000	84,000	144,000	95,000
Database administrators	68,000	85,000	22,000	59,000	46,000	104,000
Information security analysts	75,000	110,000	18,000	87,000	57,000	113,000
Network and computer systems administrators	114,000	82,000	10,000	93,000	104,000	80,000
Software developers – applications and systems software	483,000	108,000	81,000	109,000	402,000	108,000
Web developers	73,000	95,000	17,000	70,000	56,000	98,000
Other computer information science occupations	178,000	93,000	60,000	93,000	118,000	93,000
Computer engineers – software	608,000	111,000	94,000	100,000	513,000	114,000
Mathematical scientists	103,000	96,000	41,000	84,000	62,000	100,000
Mathematicians	3,000	100,000	1,000	s	2,000	100,000
Operations research analysts, including modeling	49,000	95,000	17,000	83,000	32,000	100,000
Statisticians	36,000	99,000	13,000	91,000	23,000	105,000
Other mathematical scientists	16,000	s	10,000	s	6,000	91,000
Postsecondary teachers – computer and mathematical sciences	58,000	72,000	19,000	70,000	40,000	74,000
Computer science	17,000	96,000	4,000	95,000	14,000	93,000
Mathematics and statistics	41,000	65,000	15,000	70,000	26,000	64,000
Biological, agricultural, and environmental life scientists	464,000	56,000	203,000	55,000	261,000	60,000
Agricultural and food scientists	35,000	59,000	12,000	43,000	23,000	69,000
Biological and medical scientists	344,000	55,000	155,000	55,000	190,000	55,000
Biochemists and biophysicists	60,000	52,000	23,000	49,000	36,000	54,000
Biological scientists (e.g., botanists, ecologists, zoologists)	123,000	54,000	51,000	49,000	72,000	54,000
Medical scientists (excluding practitioners)	100,000	55,000	47,000	55,000	53,000	54,000
Other biological and life scientists	62,000	71,000	33,000	67,000	29,000	71,000
Forestry and conservation scientists	21,000	60,000	5,000	59,000	16,000	61,000
Postsecondary teachers – life and related sciences	64,000	70,000	32,000	54,000	32,000	91,000
Agriculture	4,000	95,000	s	s	3,000	84,000
Biological sciences	53,000	62,000	29,000	50,000	25,000	90,000
Other natural sciences	7,000	79,000	2,000	s	4,000	91,000
Physical and related scientists	278,000	74,000	83,000	62,000	195,000	82,000
Chemists, except biochemists	98,000	65,000	35,000	65,000	63,000	65,000
Earth scientists, geologists, and oceanographers	61,000	77,000	14,000	60,000	48,000	86,000
Atmospheric and space scientists	11,000	88,000	3,000	70,000	9,000	99,000
Geologists, including earth scientists	48,000	75,000	10,000	58,000	38,000	82,000
Oceanographers	2,000	97,000	s	s	1,000	s
Physicists and astronomers	34,000	69,000	7,000	39,000	28,000	85,000
Astronomers	3,000	s	s	s	2,000	106,000
Physicists, except biophysicists	32,000	66,000	6,000	43,000	26,000	78,000
Other physical and related scientists	40,000	73,000	19,000	60,000	21,000	77,000
Postsecondary teachers – physical and related sciences	44,000	86,000	9,000	68,000	35,000	93,000
Chemistry	15,000	88,000	4,000	71,000	11,000	89,000

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(Number and dollars)

Occupation	Total		Female		Male	
	Number	Median salary (\$)	Number	Median salary (\$)	Number	Median salary (\$)
Earth, environmental, and marine sciences	15,000	78,000	4,000	59,000	11,000	94,000
Physics	14,000	91,000	s	s	12,000	96,000
Social and related scientists	316,000	75,000	172,000	71,000	144,000	84,000
Economists	39,000	74,000	6,000	100,000	32,000	s
Political scientists	12,000	104,000	5,000	89,000	7,000	s
Psychologists, including clinical	128,000	75,000	85,000	71,000	43,000	85,000
Sociologists and anthropologists	19,000	41,000	14,000	39,000	5,000	61,000
Anthropologists	9,000	44,000	7,000	43,000	3,000	55,000
Sociologists	10,000	34,000	7,000	30,000	3,000	75,000
Other social and related scientists	35,000	82,000	20,000	75,000	15,000	92,000
Postsecondary teachers – social and related sciences	83,000	75,000	42,000	71,000	41,000	81,000
Economics	12,000	90,000	3,000	72,000	10,000	103,000
Political science	13,000	83,000	6,000	78,000	7,000	84,000
Psychology	26,000	70,000	15,000	69,000	11,000	69,000
Sociology	11,000	67,000	6,000	73,000	5,000	66,000
Other social sciences	20,000	73,000	12,000	70,000	8,000	91,000
Engineers	1,377,000	96,000	207,000	90,000	1,170,000	97,000
Aerospace, aeronautical, or astronautical engineers	106,000	120,000	19,000	99,000	86,000	120,000
Chemical engineers	80,000	98,000	19,000	85,000	62,000	100,000
Civil, architectural, or sanitary engineers	222,000	83,000	35,000	81,000	187,000	83,000
Electrical or computer hardware engineers	313,000	104,000	37,000	106,000	276,000	104,000
Computer engineer – hardware	55,000	110,000	6,000	129,000	49,000	108,000
Electrical and electronics engineers	257,000	103,000	31,000	98,000	227,000	103,000
Industrial engineers	55,000	87,000	10,000	95,000	45,000	83,000
Mechanical engineers	265,000	90,000	17,000	81,000	248,000	92,000
Other engineers	299,000	95,000	64,000	82,000	235,000	100,000
Agricultural engineers	3,000	93,000	s	s	3,000	93,000
Bioengineers or biomedical engineers	21,000	87,000	7,000	82,000	13,000	88,000
Environmental engineers	47,000	77,000	16,000	67,000	31,000	79,000
Marine engineers and naval architects	7,000	92,000	s	s	6,000	89,000
Materials and metallurgical engineers	28,000	95,000	5,000	93,000	23,000	95,000
Mining and geological engineers	3,000	92,000	s	s	3,000	95,000
Nuclear engineers	18,000	89,000	4,000	98,000	14,000	84,000
Petroleum engineers	19,000	117,000	3,000	121,000	17,000	110,000
Sales engineers	55,000	114,000	6,000	83,000	49,000	115,000
Other engineers	99,000	97,000	21,000	80,000	78,000	99,000
Postsecondary teachers – engineering	38,000	101,000	6,000	93,000	32,000	108,000
S&E-related occupations	1,725,000	80,000	609,000	60,000	1,117,000	95,000
Health-related occupations	478,000	56,000	310,000	56,000	168,000	53,000
Diagnosing or treating practitioners (e.g., dentists, optometrists, physicians, psychiatrists, podiatrists, surgeons, veterinarians)	63,000	60,000	26,000	43,000	37,000	123,000
Registered nurses, pharmacists, dietitians, therapists, physician assistants, nurse practitioners	126,000	67,000	106,000	65,000	20,000	81,000
Health technologists and technicians (e.g., dental hygienists, health record technicians, licensed practical nurses, laboratory or radiology technicians)	155,000	49,000	99,000	56,000	56,000	37,000
Other health occupations	119,000	48,000	71,000	47,000	47,000	48,000
Postsecondary teachers – health and related sciences	15,000	114,000	8,000	85,000	8,000	121,000

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(Number and dollars)

Occupation	Total		Female		Male	
	Number	Median salary (\$)	Number	Median salary (\$)	Number	Median salary (\$)
S&E managers	515,000	129,000	76,000	115,000	439,000	130,000
Computer and information systems managers	149,000	141,000	18,000	128,000	131,000	145,000
Engineering managers	266,000	124,000	26,000	120,000	240,000	124,000
Medical and health services managers	50,000	102,000	13,000	72,000	37,000	104,000
Natural sciences managers	50,000	103,000	18,000	87,000	32,000	108,000
S&E precollege teachers	198,000	51,000	111,000	49,000	87,000	56,000
Secondary – computer, mathematics, or sciences	170,000	51,000	99,000	49,000	70,000	57,000
Secondary – social sciences	29,000	50,000	12,000	51,000	17,000	50,000
S&E technicians and technologists	500,000	76,000	103,000	67,000	397,000	79,000
Technologists and technicians in the biological and life sciences	80,000	57,000	39,000	54,000	41,000	59,000
Computer programmers (business, scientific, process control)	116,000	95,000	23,000	93,000	93,000	100,000
Electrical, electronic, industrial, and mechanical technicians	158,000	79,000	14,000	58,000	143,000	80,000
Drafting occupations, including computer drafting	9,000	60,000	s	s	8,000	60,000
Surveying and mapping technicians	9,000	56,000	s	s	9,000	56,000
Other engineering technologists and technicians	84,000	84,000	16,000	90,000	67,000	83,000
Surveyors, cartographers, photogrammetrists	20,000	58,000	s	s	19,000	58,000
Technologists and technicians in the mathematical sciences	2,000	112,000	s	s	s	s
Technologists and technicians in the physical sciences	22,000	47,000	7,000	34,000	15,000	53,000
Other S&E-related occupations	34,000	99,000	9,000	80,000	25,000	100,000
Architects	18,000	100,000	s	s	13,000	109,000
Actuaries	16,000	97,000	4,000	120,000	12,000	96,000
Non-S&E occupations	5,947,000	62,000	2,738,000	52,000	3,209,000	76,000
Non-S&E managers	1,131,000	107,000	291,000	96,000	841,000	116,000
Top-level managers, executives, administrators (e.g., chief executive officer, chief operating officer, chief financial officer; president; district manager, general manager, provost)	658,000	124,000	127,000	95,000	531,000	130,000
Education administrators (e.g., registrar, dean, principal)	34,000	100,000	21,000	99,000	13,000	102,000
Other mid-level managers	439,000	96,000	142,000	96,000	297,000	96,000
Management-related occupations	1,303,000	80,000	603,000	69,000	700,000	90,000
Accountants, auditors, and other financial specialists	393,000	73,000	166,000	67,000	228,000	80,000
Personnel, training, and labor relations specialists	178,000	68,000	111,000	61,000	66,000	86,000
Other management-related occupations	731,000	86,000	326,000	72,000	406,000	95,000
Non-S&E precollege teachers	306,000	40,000	261,000	40,000	45,000	35,000
Prekindergarten and kindergarten	41,000	26,000	41,000	26,000	s	s
Elementary	122,000	50,000	112,000	46,000	11,000	58,000
Secondary – other subjects	50,000	44,000	37,000	s	13,000	59,000
Teachers: Special education - primary and secondary	72,000	32,000	55,000	43,000	17,000	32,000
Other precollegiate area	21,000	s	16,000	s	s	s
Non-S&E postsecondary teachers	53,000	69,000	24,000	63,000	29,000	71,000
Arts, drama, and music	s	s	s	s	s	s
Business, commerce, and marketing	7,000	135,000	4,000	110,000	4,000	143,000
Education	9,000	69,000	5,000	72,000	4,000	65,000
English	11,000	s	s	s	s	s
Foreign language	6,000	69,000	2,000	67,000	4,000	70,000
History	3,000	s	s	s	s	s
Physical education	s	s	s	s	s	s
Other postsecondary fields	15,000	65,000	4,000	70,000	11,000	62,000
Social services and related occupations	394,000	43,000	289,000	42,000	105,000	43,000

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(Number and dollars)

Occupation	Total		Female		Male	
	Number	Median salary (\$)	Number	Median salary (\$)	Number	Median salary (\$)
Clergy and other religious workers	31,000	40,000	s	s	26,000	39,000
Counselors (e.g., educational, vocational, mental health, substance abuse)	174,000	46,000	137,000	47,000	37,000	45,000
Social workers	189,000	41,000	147,000	40,000	42,000	44,000
Sales and marketing occupations	805,000	70,000	317,000	59,000	488,000	70,000
Insurance, securities, real estate, and business services	210,000	80,000	102,000	68,000	107,000	102,000
Sales – commodities except retail (e.g., industrial, medical, dental machinery, equipment, supplies)	150,000	96,000	29,000	71,000	121,000	99,000
Sales – retail (e.g., furnishings, clothing, motor vehicles, cosmetics)	188,000	38,000	62,000	30,000	126,000	39,000
Other marketing and sales occupations	257,000	75,000	124,000	71,000	134,000	80,000
Art, humanities, and related occupations	161,000	72,000	79,000	74,000	82,000	71,000
Writers, editors, public relations specialists, artists, entertainers, broadcasters	160,000	72,000	79,000	74,000	81,000	70,000
Historians	s	s	s	s	s	s
Other non-S&E occupations	1,794,000	45,000	875,000	40,000	919,000	50,000
Accounting clerks and bookkeepers	104,000	40,000	95,000	39,000	9,000	53,000
Secretaries, receptionists, typists	111,000	39,000	105,000	37,000	6,000	45,000
Other administrative (e.g., record clerks, telephone operators)	387,000	42,000	234,000	41,000	153,000	48,000
Farmers, foresters, and fishermen	87,000	40,000	10,000	44,000	77,000	39,000
Lawyers, judges	41,000	93,000	15,000	93,000	26,000	s
Librarians, archivists, curators	22,000	47,000	16,000	s	6,000	72,000
Food preparation and service (e.g., cooks, waitresses, bartenders)	92,000	25,000	48,000	24,000	44,000	26,000
Protective services (e.g., firefighters, police, guards, wardens, park rangers)	125,000	65,000	30,000	60,000	95,000	72,000
Other service occupations, except health (e.g., probation officer, human services work)	216,000	43,000	108,000	41,000	108,000	45,000
Other teachers and instructors (e.g., private tutors, dance, flying, martial arts)	62,000	43,000	40,000	39,000	22,000	64,000
Construction and extraction occupations	31,000	59,000	4,000	76,000	28,000	55,000
Installation, maintenance, and repair occupations	100,000	50,000	2,000	s	98,000	49,000
Precision or production occupations (e.g., metal or wood workers, butchers, bakers, assemblers, tailors)	60,000	47,000	13,000	33,000	47,000	48,000
Transportation and material moving occupations	103,000	39,000	6,000	42,000	97,000	39,000
Other occupations	252,000	50,000	150,000	44,000	103,000	60,000

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

Note(s)

Detail may not add to total because of rounding. Numbers are rounded to the nearest 1,000.

Source(s)

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

Science and Engineering Indicators