



APPENDIX TABLE 3-17 

Estimate and median salary of full-time workers with highest degree in S&E field, by sex and occupation: 2015

(Number and dollars)

Occupation	Total		Female		Male	
	Number	Median salary (\$)	Number	Median salary (\$)	Number	Median salary (\$)
All occupations	11,555,000	75,000	4,222,000	57,000	7,334,000	86,000
S&E occupations	4,383,000	90,000	1,071,000	75,000	3,312,000	95,000
Computer and mathematical scientists	1,988,000	97,000	422,000	85,000	1,565,000	100,000
Computer and information scientists	1,836,000	98,000	368,000	86,000	1,468,000	100,000
Computer and information scientists, research	45,000	90,000	16,000	s	28,000	100,000
Computer network architect	39,000	115,000	s	s	38,000	115,000
Computer support specialists	120,000	60,000	27,000	51,000	94,000	65,000
Computer system analysts	205,000	87,000	59,000	79,000	145,000	90,000
Database administrators	69,000	82,000	23,000	s	46,000	100,000
Information security analysts	49,000	107,000	19,000	89,000	30,000	116,000
Network and computer systems administrators	124,000	83,000	13,000	84,000	111,000	81,000
Software developers — applications and systems software	455,000	103,000	68,000	94,000	387,000	105,000
Web developers	77,000	88,000	14,000	72,000	63,000	89,000
Other computer information science occupations	177,000	100,000	58,000	85,000	119,000	107,000
Computer engineers — software	477,000	107,000	72,000	99,000	405,000	109,000



Occupation	Total		Female		Male	
	Number	Median salary (\$)	Number	Median salary (\$)	Number	Median salary (\$)
Mathematical scientists	99,000	84,000	37,000	77,000	62,000	89,000
Mathematicians	6,000	99,000	2,000	98,000	4,000	95,000
Operations research analysts, including modeling	53,000	80,000	19,000	66,000	34,000	87,000
Statisticians	29,000	107,000	13,000	83,000	16,000	122,000
Other mathematical scientists	s	s	s	s	s	s
Postsecondary teachers — computer and mathematical sciences	52,000	67,000	18,000	61,000	35,000	69,000
Computer science	11,000	94,000	3,000	65,000	8,000	100,000
Mathematics and statistics	41,000	61,000	15,000	61,000	27,000	65,000
Biological, agricultural, and environmental life scientists	439,000	62,000	186,000	55,000	252,000	68,000
Agricultural and food scientists	44,000	64,000	20,000	63,000	24,000	64,000
Biological and medical scientists	304,000	58,000	142,000	50,000	162,000	61,000
Biochemists and biophysicists	66,000	53,000	28,000	56,000	38,000	49,000
Biological scientists (e.g., botanists, ecologists, zoologists)	105,000	57,000	47,000	45,000	58,000	64,000
Medical scientists (excluding practitioners)	80,000	64,000	39,000	55,000	41,000	65,000
Other biological and life scientists	54,000	56,000	29,000	56,000	25,000	55,000
Forestry and conservation scientists	34,000	77,000	5,000	51,000	29,000	89,000
Postsecondary teachers — life and related sciences	56,000	84,000	19,000	71,000	38,000	87,000



Occupation	Total		Female		Male	
	Number	Median salary (\$)	Number	Median salary (\$)	Number	Median salary (\$)
Agriculture	4,000	87,000	s	s	2,000	58,000
Biological sciences	47,000	80,000	16,000	70,000	31,000	87,000
Other natural sciences	6,000	86,000	1,000	s	4,000	88,000
Physical and related scientists	273,000	78,000	69,000	60,000	204,000	83,000
Chemists, except biochemists	91,000	69,000	28,000	55,000	64,000	77,000
Earth scientists, geologists, and oceanographers	59,000	88,000	13,000	77,000	47,000	88,000
Atmospheric and space scientists	13,000	91,000	3,000	90,000	9,000	96,000
Geologists, including earth scientists	43,000	84,000	8,000	71,000	35,000	88,000
Oceanographers	3,000	77,000	1000	s	2,000	64,000
Physicists and astronomers	41,000	59,000	7,000	s	33,000	86,000
Astronomers	6,000	30,000	s	s	4,000	s
Physicists, except biophysicists	34,000	70,000	5,000	54,000	29,000	92,000
Other physical and related scientists	35,000	70,000	11,000	61,000	24,000	77,000
Postsecondary teachers — physical and related sciences	47,000	90,000	10,000	76,000	37,000	90,000
Chemistry	21,000	77,000	5,000	67,000	16,000	79,000
Earth, environmental, and marine sciences	11,000	97,000	3,000	71,000	8,000	99,000
Physics	14,000	97,000	s	s	13,000	91,000



Occupation	Total		Female		Male	
	Number	Median salary (\$)	Number	Median salary (\$)	Number	Median salary (\$)
Social and related scientists	321,000	69,000	196,000	63,000	125,000	82,000
Economists	24,000	125,000	9,000	116,000	15,000	132,000
Political scientists	13,000	101,000	4,000	66,000	9,000	102,000
Psychologists, including clinical	149,000	64,000	108,000	61,000	41,000	71,000
Sociologists and anthropologists	20,000	39,000	15,000	30,000	5,000	60,000
Anthropologists	9,000	40,000	6,000	37,000	3,000	50,000
Sociologists	11,000	31,000	9,000	29,000	2,000	67,000
Other social and related scientists	49,000	79,000	28,000	69,000	21,000	85,000
Postsecondary teachers — social and related sciences	66,000	71,000	32,000	69,000	34,000	74,000
Economics	11,000	82,000	4,000	67,000	8,000	95,000
Political science	11,000	72,000	5,000	68,000	6,000	80,000
Psychology	21,000	66,000	9,000	63,000	12,000	70,000
Sociology	6,000	75,000	4,000	76,000	2,000	67,000
Other social sciences	16,000	70,000	10,000	69,000	6,000	78,000
Engineers	1,362,000	92,000	198,000	88,000	1,164,000	95,000
Aerospace, aeronautical, or astronautical engineers	81,000	107,000	11,000	98,000	70,000	110,000
Chemical engineers	70,000	104,000	14,000	94,000	56,000	112,000



Occupation	Total		Female		Male	
	Number	Median salary (\$)	Number	Median salary (\$)	Number	Median salary (\$)
Civil, architectural, or sanitary engineers	205,000	80,000	39,000	77,000	166,000	80,000
Electrical or computer hardware engineers	306,000	100,000	30,000	100,000	276,000	101,000
Computer engineer — hardware	57,000	99,000	5,000	105,000	52,000	99,000
Electrical and electronics engineers	249,000	102,000	25,000	99,000	224,000	103,000
Industrial engineers	62,000	74,000	12,000	90,000	50,000	72,000
Mechanical engineers	275,000	88,000	21,000	87,000	253,000	89,000
Other engineers	335,000	92,000	65,000	80,000	270,000	99,000
Agricultural engineers	6,000	90,000	s	s	6,000	90,000
Bioengineers or biomedical engineers	20,000	85,000	5,000	85,000	15,000	85,000
Environmental engineers	57,000	80,000	18,000	70,000	39,000	84,000
Marine engineers and naval architects	9,000	117,000	s	s	7,000	125,000
Materials and metallurgical engineers	26,000	90,000	5,000	89,000	22,000	90,000
Mining and geological engineers	4,000	98,000	s	s	4,000	101,000
Nuclear engineers	23,000	109,000	5,000	129,000	17,000	94,000
Petroleum engineers	16,000	133,000	2,000	91,000	14,000	138,000
Sales engineers	57,000	99,000	8,000	70,000	49,000	102,000
Other engineers	117,000	99,000	20,000	89,000	97,000	100,000



Occupation	Total		Female		Male	
	Number	Median salary (\$)	Number	Median salary (\$)	Number	Median salary (\$)
Postsecondary teachers — engineering	29,000	95,000	6,000	85,000	23,000	100,000
S&E-related occupations	1,678,000	73,000	707,000	56,000	972,000	90,000
Health-related occupations	468,000	55,000	329,000	55,000	139,000	51,000
Diagnosing or treating practitioners (e.g., dentists, optometrists, physicians, psychiatrists, podiatrists, surgeons, veterinarians)	51,000	73,000	24,000	60,000	26,000	142,000
Registered nurses, pharmacists, dieticians, therapists, physician assistants, nurse practitioners	117,000	63,000	95,000	68,000	22,000	51,000
Health technologists and technicians (e.g., dental hygienists, health record technicians, licensed practical nurses, laboratory or radiology technicians)	142,000	47,000	113,000	49,000	29,000	40,000
Other health occupations	141,000	43,000	91,000	43,000	50,000	38,000
Postsecondary teachers — health and related sciences	18,000	91,000	6,000	79,000	12,000	92,000
S&E managers	469,000	124,000	107,000	108,000	362,000	127,000
Computer and information systems managers	144,000	130,000	44,000	120,000	99,000	135,000
Engineering managers	241,000	126,000	24,000	128,000	217,000	126,000
Medical and health services managers	47,000	85,000	26,000	79,000	21,000	100,000
Natural sciences managers	37,000	100,000	12,000	92,000	25,000	100,000
S&E precollege teachers	239,000	50,000	146,000	50,000	93,000	55,000
Secondary — computer, mathematics, or sciences	200,000	50,000	134,000	50,000	66,000	56,000
Secondary — social sciences	39,000	54,000	12,000	54,000	27,000	54,000



Occupation	Total		Female		Male	
	Number	Median salary (\$)	Number	Median salary (\$)	Number	Median salary (\$)
S&E technicians and technologists	471,000	75,000	118,000	60,000	353,000	80,000
Technologists and technicians in the biological and life sciences	75,000	53,000	42,000	59,000	33,000	43,000
Computer programmers (business, scientific, process control)	119,000	90,000	28,000	85,000	91,000	90,000
Electrical, electronic, industrial, and mechanical technicians	119,000	77,000	8,000	59,000	111,000	80,000
Drafting occupations, including computer drafting	7,000	60,000	s	s	5,000	59,000
Surveying and mapping technicians	10,000	55,000	2,000.0	46,000.0	8,000	55,000
Other engineering technologists and technicians	107,000	74,000	25,000	55,000	81,000	80,000
Surveyors, cartographers, photogrammetrists	8,000	57,000	*	*	8,000	57,000
Technologists and technicians in the mathematical sciences	2,000	135,000	s	s	2,000	138,000
Technologists and technicians in the physical sciences	25,000	58,000	10,000	57,000	15,000	70,000
Other S&E-related occupations	31,000	97,000	7,000	90,000	24,000	98,000
Architects	16,000	119,000	3,000	76,000	12,000	120,000
Actuaries	15,000	85,000	s	s	12,000	85,000
Non-S&E occupations	5,471,000	60,000	2,427,000	50,000	3,044,000	75,000
Non-S&E managers	1,039,000	119,000	213,000	90,000	826,000	125,000
Top-level managers, executives, administrators (e.g., chief executive officer, chief operating officer, chief financial officer; president; district manager, general manager, provost)	631,000	130,000	100,000	97,000	531,000	148,000



Occupation	Total		Female		Male	
	Number	Median salary (\$)	Number	Median salary (\$)	Number	Median salary (\$)
Education administrators (e.g., registrar, dean, principal)	40,000	75,000	19,000	72,000	20,000	75,000
Other mid-level managers	368,000	100,000	93,000	90,000	274,000	104,000
Management-related occupations	1,232,000	74,000	573,000	60,000	659,000	85,000
Accountants, auditors, and other financial specialists	432,000	72,000	177,000	60,000	256,000	85,000
Personnel, training, and labor relations specialists	182,000	56,000	113,000	47,000	69,000	82,000
Other management-related occupations	618,000	75,000	283,000	72,000	335,000	85,000
Non-S&E precollege teachers	242,000	42,000	207,000	42,000	35,000	50,000
Prekindergarten and kindergarten	37,000	23,000	37,000	23,000	s	s
Elementary	124,000	42,000	114,000	42,000	11,000	42,000
Secondary — other subjects	45,000	46,000	26,000	39,000	19,000	69,000
Secondary — other subjects	28,000	45,000	24,000	45,000	3,000	47,000
Other precollegiate area	8,000	50,000	7,000	52,000	s	s
Non-S&E postsecondary teachers	46,000	75,000	19,000	69,000	27,000	75,000
Arts, drama, and music	s	s	s	s	s	s
Business, commerce, and marketing	9,000	140,000	s	s	8,000	137,000
Education	7,000	74,000	5,000	80,000	2,000	71,000.0
English	9,000	65,000	5,000	51,000	s	s



Occupation	Total		Female		Male	
	Number	Median salary (\$)	Number	Median salary (\$)	Number	Median salary (\$)
Foreign language	5,000	54,000	1,000	73,000	4,000	s
History	3,000	44,000	s	s	2,000	37000
Physical education	s	s	s	s	s	s
Other postsecondary fields	12,000	79,000	4,000	78,000	8,000	78,000
Social services and related occupations	328,000	42,000	234,000	41,000	93,000	47,000
Clergy and other religious workers	22,000	55,000	6000	39,000	16,000	56,000
Counselors (e.g., educational, vocational, mental health, substance abuse)	158,000	46,000	112,000	46,000	46,000	46,000
Social workers	148,000	39,000	117,000	39,000	31,000	40,000
Sales and marketing occupations	848,000	60,000	353,000	55,000	495,000	69,000
Insurance, securities, real estate, and business services	233,000	70,000	102,000	50,000	131,000	75,000
Sales — commodities except retail (e.g., industrial, medical, dental machinery, equipment, supplies)	145,000	83,000	37,000	70,000	108,000	85,000
Sales — retail (e.g., furnishings, clothing, motor vehicles, cosmetics)	174,000	38,000	60,000	39,000	114,000	35,000
Other marketing and sales occupations	296,000	65,000	154,000	60,000	142,000	68,000
Art, humanities, and related occupations	150,000	60,000	60,000	64,000	91,000	58,000
Writers, editors, public relations specialists, artists, entertainers, broadcasters	149,000	60,000	59,000	64,000	90,000	58,000
Historians	s	s	*	*	*	*
Other non-S&E occupations	1,586,000	42,000	768,000	40,000	818,000	48,000



Occupation	Total		Female		Male	
	Number	Median salary (\$)	Number	Median salary (\$)	Number	Median salary (\$)
Accounting clerks and bookkeepers	101,000	42,000	89,000	42,000	12,000	43,000
Secretaries, receptionists, typists	123,000	37,000	117,000	35,000	6,000	39,000
Other administrative (e.g., record clerks, telephone operators)	342,000	39,000	224,000	38,000	117,000	40,000
Farmers, foresters, and fishermen	69,000	40,000	13,000	36,000	56,000	41,000
Lawyers, judges	34,000	96,000	15,000	s	19,000	95,000
Librarians, archivists, curators	37,000	34,000	27,000	38,000	10,000	3,000
Food preparation and service (e.g., cooks, waitresses, bartenders)	53,000	37,000	16,000	39,000	37,000	36,000
Protective services (e.g., firefighters, police, guards, wardens, park rangers)	111,000	60,000	38,000	67,000	72,000	58,000
Other service occupations, except health (e.g., probation officer, human services work)	207,000	46,000	108,000	47,000	99,000	45,000
Other teachers and instructors (e.g., private tutors, dance, flying, martial arts)	64,000	42,000	34,000	38,000	30,000	65,000
Construction and extraction occupations	52,000	55,000	2,000	53,000	50,000	55,000
Installation, maintenance, and repair occupations	88,000	48,000	7,000	49,000	81,000	47,000
Precision or production occupations (e.g., metal or wood workers, butchers, bakers, assemblers, tailors)	88,000	34,000	18,000	39,000	69,000	31,000
Transportation and material moving occupations	122,000	42,000	3,000	42,000	119,000	42,000
Other occupations	97,000	57,000	56,000	s	41,000	59,000

* = estimate < 500; 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 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