

Appendix table 3-15

Estimate and median salary of full-time workers with highest degree in S&E field, by sex and occupation: 2008

Occupation	Total		Female			Male		
	Number	Median salary (\$)	Number	Percent	Median salary (\$)	Number	Percent	Median salary (\$)
All occupations	8,869,000	70,000	3,018,000	34.0	52,000	5,851,000	66.0	80,000
Science and engineering occupations	3,554,000	80,000	837,000	23.5	70,000	2,718,000	76.5	85,000
Computer and mathematical scientists	1,345,000	85,000	302,000	22.4	78,000	1,044,000	77.6	87,000
Computer and information scientists	1,228,000	85,000	260,000	21.2	80,000	968,000	78.8	88,000
Computer and information scientists, research	31,000	96,000	6,000	18.6	78,000	25,000	81.4	100,000
Computer support specialists	103,000	60,000	28,000	27.6	60,000	75,000	72.4	60,000
Computer system analysts	268,000	80,000	81,000	30.3	80,000	187,000	69.7	81,000
Database administrators	69,000	80,000	20,000	28.8	70,000	49,000	71.2	85,000
Network and computer systems administrators	116,000	72,000	15,000	12.9	70,000	101,000	87.1	73,000
Network systems and data communications analysts	58,000	74,000	9,000	15.5	70,000	49,000	84.5	75,000
Other computer and information science occupations	83,000	92,000	26,000	31.8	80,000	57,000	68.2	95,000
Computer engineers—software	501,000	95,000	74,000	14.9	90,000	426,000	85.1	96,000
Mathematical scientists	73,000	81,000	30,000	41.0	74,000	43,000	59.0	86,000
Mathematicians	4,000	60,000	1,000	12.1	60,000	4,000	87.9	60,000
Operations research analysts, including modeling	40,000	81,000	17,000	43.2	78,000	23,000	56.8	89,000
Statisticians	24,000	85,000	10,000	41.5	75,000	14,000	58.5	86,000
Other mathematical scientists	4,000	67,000	2,000	47.6	67,000	2,000	52.4	96,000
Postsecondary teachers—computer and math sciences	44,000	65,000	12,000	27.2	56,000	32,000	72.8	67,000
Postsecondary teachers—computer science	12,000	80,000	2,000	16.4	70,000	10,000	83.6	80,000
Postsecondary teachers—mathematics and statistics	33,000	58,000	10,000	31.2	55,000	22,000	68.8	60,000
Biological, agricultural, and other life scientists	365,000	59,000	156,000	42.7	50,000	210,000	57.3	65,000
Agricultural and food scientists	48,000	54,000	14,000	29.4	42,000	34,000	70.6	60,000
Biological and medical scientists	252,000	57,000	123,000	48.7	50,000	129,000	51.3	65,000
Biochemists and biophysicists	42,000	65,000	16,000	38.7	50,000	26,000	61.3	70,000
Biological scientists (e.g., botanists, ecologists, zoologists)	106,000	50,000	53,000	50.1	45,000	53,000	49.9	59,000
Medical scientists (excluding practitioners)	78,000	70,000	39,000	50.6	65,000	39,000	49.4	79,000
Other biological, agricultural or life scientists	26,000	59,000	14,000	53.2	58,000	12,000	46.8	60,000
Forestry and conservation scientists	24,000	57,000	5,000	21.1	52,000	19,000	78.9	57,000
Postsecondary teachers—life and related sciences	41,000	67,000	14,000	33.9	57,000	27,000	66.1	73,000
Postsecondary teachers—agriculture	4,000	71,000	1,000	19.1	60,000	3,000	80.9	72,000
Postsecondary teachers—biological sciences	35,000	65,000	13,000	36.9	57,000	22,000	63.1	72,000
Postsecondary teachers—other natural sciences	2,000	74,000	<500	15.5	49,000	2,000	84.5	74,000
Physical and related scientists	269,000	70,000	74,000	27.3	60,000	196,000	72.7	76,000
Chemists, except biochemists	112,000	71,000	37,000	32.9	62,000	75,000	67.1	79,000
Earth scientists, geologists, and oceanographers	68,000	74,000	13,000	19.6	66,000	55,000	80.4	77,000
Atmospheric and space scientists	13,000	83,000	2,000	13.5	60,000	11,000	86.5	85,000
Geologists, including earth scientists	53,000	70,000	11,000	20.6	66,000	42,000	79.4	74,000
Oceanographers	3,000	85,000	1,000	26.5	87,000	2,000	73.5	85,000
Physicists and astronomers	23,000	83,000	2,000	10.6	54,000	21,000	89.4	89,000
Astronomers	3,000	62,000	1,000	21.9	46,000	2,000	78.1	72,000
Physicists	21,000	88,000	2,000	9.3	60,000	19,000	90.7	90,000

Appendix table 3-15

Estimate and median salary of full-time workers with highest degree in S&E field, by sex and occupation: 2008

Occupation	Total		Female			Male		
	Number	Median salary (\$)	Number	Percent	Median salary (\$)	Number	Percent	Median salary (\$)
Other physical scientists	26,000	65,000	11,000	42.1	59,000	15,000	57.9	70,000
Postsecondary teachers—physical and related sciences	40,000	64,000	10,000	25.3	54,000	30,000	74.7	70,000
Postsecondary teachers—chemistry	18,000	56,000	5,000	28.1	51,000	13,000	71.9	62,000
Postsecondary teachers—earth, environmental, and marine sciences	10,000	72,000	3,000	32.3	58,000	7,000	67.7	80,000
Postsecondary teachers—physics	12,000	70,000	2,000	15.1	63,000	10,000	84.9	74,000
Social and related scientists	281,000	68,000	143,000	50.9	63,000	138,000	49.1	73,000
Economists	22,000	110,000	6,000	28.4	98,000	16,000	71.6	117,000
Political scientists	11,000	70,000	7,000	63.9	72,000	4,000	36.1	70,000
Psychologists, including clinical	114,000	62,000	72,000	63.2	60,000	42,000	36.8	69,000
Sociologists and anthropologists	13,000	58,000	7,000	53.5	50,000	6,000	46.5	60,000
Anthropologists	7,000	55,000	3,000	38.1	37,000	5,000	61.9	60,000
Sociologists	6,000	68,000	4,000	73.6	60,000	2,000	26.4	80,000
Other social scientists	60,000	73,000	26,000	42.6	70,000	34,000	57.4	82,000
Postsecondary teachers—social and related sciences	61,000	67,000	25,000	41.5	63,000	35,000	58.5	70,000
Postsecondary teachers—economics	10,000	80,000	3,000	30.3	72,000	7,000	69.7	88,000
Postsecondary teachers—political science	10,000	65,000	3,000	32.4	60,000	7,000	67.6	69,000
Postsecondary teachers—psychology	18,000	67,000	9,000	47.8	62,000	9,000	52.2	70,000
Postsecondary teachers—sociology	10,000	62,000	4,000	44.2	60,000	6,000	55.8	65,000
Postsecondary teachers—other social sciences	12,000	63,000	6,000	47.0	63,000	6,000	53.0	63,000
Engineers	1,293,000	87,000	162,000	12.5	75,000	1,131,000	87.5	89,000
Aerospace, aeronautical, or astronautical engineers	81,000	100,000	8,000	9.7	100,000	73,000	90.3	100,000
Agricultural engineers	6,000	60,000	S	S	S	5,000	88.4	65,000
Bioengineering and biomedical engineers	22,000	69,000	6,000	28.3	55,000	16,000	71.7	72,000
Chemical engineers	65,000	92,000	15,000	22.7	80,000	50,000	77.3	93,000
Civil, architectural, or sanitary engineers	228,000	80,000	31,000	13.6	71,000	197,000	86.4	81,000
Electrical or computer hardware engineers	333,000	95,000	34,000	10.1	86,000	299,000	89.9	95,000
Computer engineers—hardware	45,000	102,000	7,000	14.7	86,000	38,000	85.3	105,000
Electrical and electronics engineers	288,000	93,000	27,000	9.4	85,000	261,000	90.6	94,000
Environmental engineers	64,000	80,000	14,000	21.3	72,000	51,000	78.7	82,000
Industrial engineers	67,000	76,000	9,000	13.3	70,000	58,000	86.7	80,000
Marine engineers and naval architects	10,000	100,000	1,000	5.5	82,000	10,000	94.5	100,000
Materials and metallurgical engineers	35,000	81,000	7,000	19.1	72,000	29,000	80.9	85,000
Mechanical engineers	250,000	85,000	18,000	7.3	72,000	232,000	92.7	86,000
Mining and geological engineers	7,000	77,000	1,000	14.9	40,000	6,000	85.1	77,000
Nuclear engineers	14,000	97,000	2,000	16.1	103,000	11,000	83.9	96,000
Petroleum engineers	14,000	113,000	1,000	7.6	100,000	13,000	92.4	115,000
Sales engineers	36,000	91,000	5,000	12.7	69,000	31,000	87.3	92,000
Other engineers	35,000	89,000	6,000	18.1	85,000	29,000	81.9	89,000
Postsecondary teachers—engineering	26,000	85,000	4,000	16.0	74,000	22,000	84.0	90,000

Appendix table 3-15

Estimate and median salary of full-time workers with highest degree in S&E field, by sex and occupation: 2008

Occupation	Total		Female			Male		
	Number	Median salary (\$)	Number	Percent	Median salary (\$)	Number	Percent	Median salary (\$)
S&E-related occupations	1,139,000	65,000	454,000	39.9	51,000	685,000	60.1	80,000
Health-related occupations	353,000	50,000	217,000	61.5	48,000	136,000	38.5	60,000
Diagnosing/treating practitioners (e.g., dentists, optometrists, physicians)	44,000	100,000	15,000	34.0	50,000	29,000	66.0	128,000
Registered nurses, pharmacists, dieticians, therapists, physician assistants	97,000	54,000	73,000	74.9	52,000	24,000	25.1	65,000
Health technologists and technicians (e.g., dental hygienist, health record tech)	111,000	45,000	72,000	65.0	45,000	39,000	35.0	50,000
Other health occupations	86,000	45,000	51,000	59.4	42,000	35,000	40.6	54,000
Postsecondary teachers—health and related sciences teachers	14,000	94,000	6,000	40.3	74,000	9,000	59.7	114,000
S&E managers	289,000	115,000	49,000	17.0	95,000	239,000	83.0	119,000
Computer and information systems managers	108,000	117,000	16,000	15.0	115,000	92,000	85.0	118,000
Engineering managers	126,000	120,000	7,000	5.7	95,000	118,000	94.3	120,000
Medical and health services managers	30,000	82,000	21,000	68.4	71,000	10,000	31.6	101,000
Natural sciences managers	24,000	100,000	5,000	21.1	103,000	19,000	78.9	100,000
S&E precollege teachers	175,000	48,000	101,000	57.8	45,000	74,000	42.2	50,000
Secondary school teachers—computer, math, or sciences	143,000	48,000	85,000	59.5	45,000	58,000	40.5	50,000
Secondary school teachers—social sciences	32,000	49,000	16,000	50.0	50,000	16,000	50.0	47,000
S&E technicians and technologists	277,000	61,000	75,000	27.1	52,000	202,000	72.9	65,000
Technologists and technicians in the biological/life sciences	49,000	44,000	31,000	63.0	42,000	18,000	37.0	45,000
Computer programmers (business, scientific, process control)	120,000	78,000	27,000	22.4	78,000	93,000	77.6	79,000
Electrical, electronic, industrial, mechanical technicians	42,000	62,000	3,000	6.4	40,000	39,000	93.6	64,000
Drafting occupations, including computer drafting	13,000	42,000	4,000	27.6	40,000	9,000	72.4	45,000
Surveying and mapping technicians	9,000	45,000	2,000	22.7	42,000	7,000	77.3	52,000
Other engineering technologists and technicians	16,000	60,000	2,000	15.1	51,000	13,000	84.9	60,000
Surveyors, cartographers, photogrammetrists	14,000	50,000	2,000	12.6	60,000	12,000	87.4	47,000
Technologists and technicians in the mathematical sciences	S	S	S	S	S	S	S	S
Technologists and technicians in the physical sciences	16,000	41,000	5,000	34.3	40,000	10,000	65.7	41,000
Architects	22,000	85,000	4,000	16.6	48,000	18,000	83.4	91,000
Actuaries	24,000	108,000	8,000	35.2	108,000	16,000	64.8	108,000
Non-S&E occupations	4,176,000	58,000	1,727,000	41.4	46,000	2,449,000	58.6	70,000
Non-S&E managers	663,000	113,000	141,000	21.2	90,000	523,000	78.8	120,000
Top-level managers, executives, administrators	434,000	130,000	77,000	17.8	102,000	357,000	82.2	137,000
Education administrators (e.g., registrar, dean, principal)	38,000	89,000	16,000	43.2	81,000	22,000	56.8	91,000
Other mid-level managers	191,000	90,000	47,000	24.6	79,000	144,000	75.4	95,000
Management-related occupations	714,000	70,000	323,000	45.3	60,000	390,000	54.7	76,000
Accountants, auditors, and other financial specialists	276,000	67,000	113,000	40.8	59,000	163,000	59.2	75,000
Personnel, training, and labor relations specialists	119,000	62,000	79,000	66.4	59,000	40,000	33.6	70,000
Other management-related occupations	318,000	75,000	131,000	41.3	62,000	187,000	58.7	80,000
Non-S&E precollege teachers	217,000	40,000	177,000	81.9	40,000	39,000	18.1	43,000
Prekindergarten and kindergarten teachers	37,000	30,000	33,000	90.5	29,000	3,000	9.5	52,000

Appendix table 3-15

Estimate and median salary of full-time workers with highest degree in S&E field, by sex and occupation: 2008

Occupation	Total		Female			Male		
	Number	Median salary (\$)	Number	Percent	Median salary (\$)	Number	Percent	Median salary (\$)
Elementary school teachers	84,000	45,000	73,000	86.8	44,000	11,000	13.2	48,000
Secondary school teachers—other subjects	42,000	41,000	29,000	69.2	40,000	13,000	30.8	42,000
Special education teachers—primary and secondary	39,000	40,000	30,000	76.6	38,000	9,000	23.4	44,000
Other precollegiate teachers	15,000	31,000	12,000	82.0	31,000	3,000	18.0	26,000
Non-S&E postsecondary teachers	24,000	61,000	11,000	46.6	53,000	13,000	53.4	70,000
Postsecondary teachers—art, drama, and music	1,000	62,000	<500	14.7	72,000	1,000	85.3	62,000
Postsecondary teachers—business, commerce, and marketing	5,000	100,000	1,000	25.2	95,000	4,000	74.8	103,000
Postsecondary teachers—education	3,000	56,000	2,000	60.2	65,000	1,000	39.8	44,000
Postsecondary teachers—English	1,000	45,000	1,000	72.1	45,000	<500	27.9	58,000
Postsecondary teachers—foreign languages	2,000	50,000	1,000	40.4	56,000	1,000	59.6	50,000
Postsecondary teachers—history	1,000	45,000	1,000	49.1	32,000	1,000	50.9	58,000
Postsecondary teachers—physical education	S	S	S	S	S	S	S	S
Postsecondary teachers—other non-S&E fields	10,000	54,000	5,000	52.4	41,000	5,000	47.6	68,000
Social services and related occupations	309,000	41,000	217,000	70.4	41,000	91,000	29.6	42,000
Clergy and other religious workers	17,000	35,000	2,000	14.3	40,000	15,000	85.7	32,000
Counselors, educational, vocational, mental health, and substance abuse	142,000	43,000	104,000	73.2	43,000	38,000	26.8	43,000
Social workers	149,000	40,000	111,000	74.3	38,000	38,000	25.7	40,000
Sales and marketing occupations	763,000	65,000	225,000	29.6	50,000	537,000	70.4	75,000
Insurance, securities, real estate, and business services	246,000	67,000	74,000	30.2	50,000	171,000	69.8	75,000
Sales occupations—commodities except retail	156,000	79,000	28,000	17.9	63,000	128,000	82.1	80,000
Sales occupations—retail	131,000	39,000	46,000	35.0	30,000	85,000	65.0	40,000
Other marketing and sales occupations	230,000	70,000	77,000	33.7	50,000	152,000	66.3	85,000
Art, humanities, and related occupations	122,000	55,000	59,000	48.4	50,000	63,000	51.6	64,000
Artists, broadcasters, editors, entertainers, public relations specialists, writers	121,000	55,000	59,000	48.5	50,000	62,000	51.5	64,000
Historians	1,000	65,000	<500	17.5	75,000	1,000	82.5	65,000
Other non-S&E occupations	1,365,000	45,000	573,000	42.0	39,000	792,000	58.0	51,000
Accounting clerks and bookkeepers	54,000	36,000	45,000	83.4	36,000	9,000	16.6	34,000
Secretaries, receptionists, typists	78,000	35,000	75,000	95.8	35,000	3,000	4.2	35,000
Other administrative (e.g., record clerks, telephone operators)	281,000	40,000	172,000	61.4	37,000	108,000	38.6	42,000
Farmers, foresters, and fishermen	67,000	36,000	9,000	12.7	21,000	59,000	87.3	40,000
Lawyers, judges	28,000	125,000	6,000	22.1	100,000	22,000	77.9	150,000
Librarians, archivists, curators	14,000	40,000	11,000	77.3	48,000	3,000	22.7	40,000
Food preparation and services	55,000	29,000	27,000	50.3	25,000	27,000	49.7	30,000
Protective services occupations	133,000	55,000	24,000	18.2	54,000	109,000	81.8	55,000
Other service occupations, except health	128,000	45,000	66,000	51.7	38,000	62,000	48.3	52,000
Other teachers and instructors in noneducational institutions	24,000	40,000	14,000	59.3	28,000	10,000	40.7	59,000
Construction and extraction occupations	104,000	65,000	9,000	8.2	69,000	96,000	91.8	62,000
Installation, maintenance, and repair occupations	81,000	53,000	8,000	9.3	48,000	74,000	90.7	54,000

Appendix table 3-15

Estimate and median salary of full-time workers with highest degree in S&E field, by sex and occupation: 2008

Occupation	Total		Female			Male		
	Number	Median salary (\$)	Number	Percent	Median salary (\$)	Number	Percent	Median salary (\$)
Precision/production occupations	86,000	50,000	15,000	17.2	41,000	71,000	82.8	50,000
Transportation and material moving occupations	88,000	55,000	18,000	20.8	51,000	70,000	79.2	55,000
Other occupations	144,000	51,000	74,000	50.9	48,000	71,000	49.1	62,000

S = suppressed for reasons of confidentiality and/or reliability

NOTES: Full-time includes those who typically work 35 or more hours weekly in their principal jobs. Dollars rounded to the nearest \$1,000. Numbers rounded to the nearest 1,000. Percentages based on unrounded numbers. Detail may not add to total because of rounding.

SOURCE: National Science Foundation, National Center for Science and Engineering Statistics, Scientists and Engineers Statistical Data System (SESTAT) (2008), <http://sestat.nsf.gov>.

Science and Engineering Indicators 2012