

TABLE 69

Median annual salaries of U.S. residing full-time employed doctoral scientists and engineers, by occupation and sector of employment: 2019

(Dollars)

Occupation	All full-time employed		4-year educational institution ^a		Other educational institution ^b		Private, for profit ^c		Private, nonprofit		Federal government		State or local government		Self-employed ^d		Other ^e	
	Median salary	SE	Median salary	SE	Median salary	SE	Median salary	SE	Median salary	SE	Median salary	SE	Median salary	SE	Median salary	SE	Median salary	SE
All occupations	119,000	1,000	95,000	500	76,000	1,500	150,000	500	119,000	500	126,000	1,500	98,000	2,500	100,000	500	132,000	5,500
Science occupations	106,000	1,500	89,000	1,000	76,000	2,000	140,000	2,000	110,000	2,500	121,000	2,500	90,000	2,500	101,000	9,000	130,000	3,000
Biological, agricultural, and other life scientist	100,000	500	82,000	1,500	73,000	2,500	127,000	2,500	100,000	2,500	120,000	1,500	75,000	3,500	78,000	6,500	105,000	20,500
Agricultural, food scientist	109,000	2,500	91,000	4,000	D	D	120,000	2,000	99,000	11,000	121,000	5,000	96,000	16,500	195,000	67,500	D	D
Biochemists, biophysicist	100,000	4,000	59,000	2,000	D	D	126,000	5,000	98,000	18,000	118,000	10,500	S	S	D	D	D	D
Biological scientist	90,000	2,000	70,000	4,000	73,000	3,500	115,000	3,500	89,000	5,500	111,000	6,500	72,000	4,500	58,000	19,500	85,000	11,000
Forestry, conservation scientist	98,000	5,500	74,000	7,500	D	D	111,000	6,500	87,000	17,000	111,000	6,000	68,000	7,500	D	D	*	*
Medical scientist	119,000	1,000	89,000	3,000	D	D	144,000	5,000	110,000	3,000	121,000	4,500	83,000	13,000	69,000	9,500	135,000	15,000
Postsecondary teachers, agricultural, other natural sciences	90,000	2,000	91,000	2,500	67,000	9,500	D	D	D	D	D	D	D	D	D	D	D	D
Postsecondary teachers, biological sciences	89,000	2,000	90,000	1,500	74,000	4,500	D	D	D	D	D	D	D	D	D	D	D	D
Other biological, agricultural, life scientist	109,000	2,500	60,000	1,500	D	D	125,000	2,500	95,000	4,000	120,000	5,500	84,000	8,500	92,000	36,000	87,000	42,500
Computer and information scientist	149,000	2,000	104,000	2,500	78,000	9,500	160,000	2,000	137,000	13,000	134,000	5,500	97,000	13,000	90,000	21,500	139,000	15,000
Computer and information scientist	153,000	2,500	107,000	5,000	72,000	12,000	160,000	2,000	137,000	13,000	134,000	5,500	97,000	13,000	90,000	21,500	139,000	15,000
Postsecondary teachers, computer science	101,000	3,500	103,000	3,500	83,000	14,000	D	D	D	D	D	D	D	D	D	D	D	D
Mathematical scientist	114,000	2,500	89,000	1,000	79,000	4,000	150,000	4,500	130,000	3,000	136,000	6,500	97,000	23,000	181,000	37,000	147,000	20,500
Mathematical scientist	140,000	3,500	96,000	2,500	88,000	16,000	150,000	4,500	130,000	3,000	136,000	6,500	97,000	23,000	181,000	37,000	147,000	20,500
Postsecondary teachers, mathematics, statistics	87,000	2,000	88,000	1,500	77,000	6,000	D	D	D	D	D	D	D	D	D	D	D	D
Physical scientist	102,000	2,500	85,000	1,500	70,000	3,000	133,000	2,000	128,000	4,500	130,000	1,500	100,000	6,000	133,000	23,000	121,000	7,000
Chemists, except biochemist	120,000	1,500	60,000	4,500	D	D	129,000	3,000	115,000	7,500	119,000	7,500	98,000	10,000	D	D	119,000	27,000
Earth, atmospheric, ocean scientist	110,000	1,500	84,000	3,500	79,000	3,000	142,000	6,500	107,000	9,500	129,000	6,000	99,000	8,000	119,000	29,500	120,000	24,500
Physicists, astronomers	130,000	1,500	72,000	3,500	D	D	141,000	6,500	137,000	6,500	140,000	6,000	132,000	14,000	D	D	127,000	9,500
Postsecondary teachers, chemistry	80,000	2,000	80,000	1,000	70,000	2,500	D	D	D	D	D	D	D	D	D	D	D	D
Postsecondary teachers, physics	92,000	3,000	95,000	4,500	73,000	5,000	D	D	D	D	D	D	D	D	D	D	D	D
Postsecondary teachers, other physical science	90,000	1,500	90,000	3,500	67,000	3,500	D	D	D	D	D	D	D	D	D	D	D	D
Other physical scientist	125,000	4,000	98,000	9,500	D	D	139,000	8,500	136,000	15,500	132,000	12,000	88,000	12,000	D	D	D	D
Psychologist	100,000	500	88,000	1,500	84,000	5,000	117,000	4,500	104,000	2,000	110,000	2,500	95,000	5,000	108,000	7,000	111,000	15,000
Psychologist	103,000	1,500	90,000	3,000	87,000	3,500	117,000	4,500	104,000	2,000	110,000	2,500	95,000	5,000	108,000	7,000	111,000	15,000

TABLE 69

Median annual salaries of U.S. residing full-time employed doctoral scientists and engineers, by occupation and sector of employment: 2019

(Dollars)

Occupation	All full-time employed		4-year educational institution ^a		Other educational institution ^b		Private, for profit ^c		Private, nonprofit		Federal government		State or local government		Self-employed ^d		Other ^e	
	Median salary	SE	Median salary	SE	Median salary	SE	Median salary	SE	Median salary	SE	Median salary	SE	Median salary	SE	Median salary	SE	Median salary	SE
Postsecondary teachers, psychology	85,000	1,000	85,000	2,000	77,000	3,500	D	D	D	D	D	D	D	D	D	D	D	D
Social scientist	99,000	1,500	93,000	1,500	76,000	2,500	154,000	6,500	120,000	9,000	139,000	5,000	91,000	2,000	90,000	12,000	159,000	24,000
Economist	149,000	4,000	127,000	6,500	D	D	172,000	8,500	136,000	5,500	150,000	3,000	93,000	5,500	D	D	180,000	17,500
Political scientist	134,000	10,500	125,000	14,000	D	D	S	S	122,000	26,000	144,000	7,000	S	S	D	D	D	D
Postsecondary teachers, economics	110,000	3,500	110,000	4,000	81,000	9,000	D	D	D	D	D	D	D	D	D	D	D	D
Postsecondary teachers, political science	88,000	4,500	89,000	4,000	75,000	5,500	D	D	D	D	D	D	D	D	D	D	D	D
Postsecondary teachers, sociology	83,000	2,500	84,000	2,000	69,000	4,000	D	D	D	D	D	D	D	D	D	D	D	D
Postsecondary teachers, other social sciences	84,000	2,000	85,000	1,500	74,000	3,000	D	D	D	D	D	D	D	D	D	D	D	D
Sociologist, anthropologist	89,000	6,000	76,000	9,000	D	D	106,000	20,000	105,000	10,500	119,000	10,000	81,000	3,000	D	D	S	S
Other social scientist	106,000	4,500	87,000	4,000	80,000	8,500	140,000	14,000	114,000	10,000	131,000	6,500	90,000	4,500	117,000	23,500	149,000	50,500
Engineering occupations	130,000	500	108,000	2,000	73,000	11,500	140,000	2,000	137,000	7,000	130,000	2,000	102,000	7,000	99,000	12,000	139,000	6,000
Aerospace, aeronautical, astronautical engineer	149,000	1,500	130,000	32,500	D	D	149,000	5,500	159,000	4,500	137,000	10,000	D	D	D	D	150,000	20,500
Chemical engineer	137,000	4,500	106,000	8,000	D	D	140,000	2,500	149,000	27,000	132,000	11,000	D	D	D	D	D	D
Civil, architectural, sanitary engineer	109,000	5,000	99,000	6,500	D	D	116,000	9,500	120,000	13,000	111,000	10,000	100,000	14,000	S	S	D	D
Electrical engineer	149,000	1,000	119,000	12,500	D	D	150,000	5,000	142,000	9,500	135,000	4,000	158,000	30,500	D	D	165,000	32,000
Industrial engineers	119,000	3,500	108,000	14,500	D	D	119,000	4,000	D	D	S	S	D	D	D	D	D	D
Mechanical engineer	129,000	3,500	110,000	5,500	D	D	131,000	3,500	118,000	12,500	125,000	6,500	S	S	S	S	109,000	12,500
Postsecondary teacher, engineering	108,000	2,500	108,000	2,000	71,000	11,500	D	D	D	D	D	D	D	D	D	D	D	D
Other engineer	130,000	500	93,000	4,500	D	D	137,000	4,000	129,000	4,000	128,000	5,500	101,000	5,500	97,000	40,500	117,000	23,500
S&E-related occupations	130,000	500	106,000	2,500	65,000	3,500	169,000	4,000	149,000	8,000	145,000	7,000	121,000	9,500	172,000	29,000	116,000	13,500
Health occupations, except postsecondary teachers and managers	139,000	3,500	101,000	9,000	92,000	15,000	180,000	15,000	150,000	14,500	131,000	6,500	117,000	31,000	183,000	28,000	108,000	7,000
Postsecondary teacher, health and related science	105,000	2,500	105,000	2,500	80,000	15,500	D	D	D	D	D	D	D	D	D	D	D	D
S&E managers, including health	164,000	4,000	139,000	8,500	D	D	180,000	3,500	147,000	19,500	150,000	4,500	126,000	7,500	D	D	110,000	27,000
S&E precollege teachers	63,000	2,500	S	S	63,000	2,500	D	D	D	D	D	D	D	D	D	D	D	D
S&E technicians/ technologists	129,000	3,500	68,000	12,000	D	D	135,000	3,500	125,000	11,500	110,000	8,500	92,000	19,500	D	D	S	S
Other S&E-related occupation	132,000	8,500	D	D	D	D	140,000	10,000	D	D	D	D	D	D	D	D	D	D
Non-S&E occupations	138,000	3,500	120,000	2,500	94,000	4,000	164,000	4,500	112,000	7,000	139,000	3,500	100,000	9,000	80,000	7,500	139,000	8,500
Arts, humanities-related occupation	93,000	3,500	88,000	14,500	S	S	98,000	4,500	89,000	4,500	124,000	20,500	S	S	40,000	14,000	S	S
Management-related occupation	140,000	5,500	93,000	5,000	105,000	8,000	158,000	4,000	101,000	4,500	138,000	8,000	98,000	9,500	95,000	9,000	125,000	16,500

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(Dollars)

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	Median salary	SE	Median salary	SE	Median salary	SE	Median salary	SE	Median salary	SE	Median salary	SE	Median salary	SE	Median salary	SE	Median salary	SE
Non-S&E managers	179,000	3,500	160,000	5,000	119,000	4,500	200,000	500	175,000	9,000	154,000	4,000	121,000	7,500	111,000	19,000	202,000	38,500
Non-S&E postsecondary teachers	100,000	2,000	100,000	1,500	87,000	7,000	D	D	D	D	D	D	D	D	D	D	D	D
Non-S&E precollege/ other teachers	68,000	4,000	102,000	26,500	69,000	4,500	72,000	21,500	S	S	S	S	S	S	S	S	D	D
Sales, marketing occupation	120,000	5,000	S	S	D	D	130,000	6,000	84,000	19,500	D	D	D	D	39,000	11,500	D	D
Social service-related occupation	74,000	5,000	71,000	4,000	72,000	5,000	70,000	11,000	58,000	10,000	146,000	47,500	82,000	18,500	92,000	27,500	D	D
Other non-S&E occupation	125,000	6,000	75,000	12,500	43,000	15,500	150,000	12,500	78,000	6,000	125,000	4,500	76,000	13,000	S	S	48,000	13,500

* = suppressed when population estimate < 25. D = suppressed to avoid disclosure of confidential information. S = suppressed for reliability; coefficient of variation exceeds publication standards.

S&E = science and engineering; SE = standard error.

^a Includes 4-year colleges or universities, medical schools (including university-affiliated hospitals or medical centers), and university-affiliated research institutes.

^b Includes 2-year colleges, community colleges, or technical institutes, and other precollege institutions.

^c Includes those self-employed in an incorporated business.

^d Self-employed or business owner in a nonincorporated business.

^e Includes employers not broken out separately.

Note(s):

Median annual salaries are for principal job and are rounded to nearest \$1,000. Standard errors are rounded up to the nearest \$500. Full time is based on working 35 or more hours per week. Residence location is based on reported living location on 1 February 2019.

Source(s):

National Center for Science and Engineering Statistics, Survey of Doctorate Recipients: 2019.