

TABLE 72

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

(Dollars)

Employment sector and occupation	All full-time employed		Hispanic or Latino ^a		Not Hispanic or Latino ^b									
					American Indian or Alaska Native		Asian		Black or African American		White		Other race ^c	
	Median salary	SE	Median salary	SE	Median salary	SE	Median salary	SE	Median salary	SE	Median salary	SE	Median salary	SE
All sectors	119,000	1,000	102,000	2,000	99,000	4,500	125,000	1,500	100,000	2,000	117,000	1,500	109,000	3,500
Science occupations	106,000	1,500	97,000	3,000	91,000	8,000	117,000	3,000	92,000	2,500	105,000	500	102,000	5,000
Biological, agricultural, and other life scientist	100,000	500	90,000	3,000	94,000	31,000	100,000	1,000	100,000	2,000	102,000	2,000	95,000	8,500
Computer and information scientist	149,000	2,000	139,000	5,000	D	D	150,000	2,500	114,000	8,500	144,000	4,000	135,000	17,500
Mathematical scientist	114,000	2,500	109,000	7,000	D	D	130,000	2,000	101,000	8,500	105,000	2,000	120,000	9,500
Physical scientist	102,000	2,500	96,000	4,500	93,000	8,500	99,000	1,500	86,000	4,500	105,000	2,000	101,000	12,500
Psychologist	100,000	500	96,000	4,500	101,000	13,000	91,000	3,500	89,000	2,000	100,000	500	95,000	8,000
Social scientist	99,000	1,500	90,000	4,500	70,000	7,500	105,000	4,000	89,000	2,000	100,000	1,500	95,000	5,000
Engineering occupations	130,000	500	118,000	4,000	145,000	15,000	130,000	500	111,000	4,500	132,000	3,000	130,000	10,000
S&E-related occupations	130,000	500	113,000	7,000	104,000	20,500	140,000	5,000	101,000	5,500	130,000	1,500	127,000	14,000
Non-S&E occupations	138,000	3,500	115,000	7,000	94,000	5,500	149,000	500	109,000	6,500	139,000	3,500	110,000	8,500
4-year educational institution ^d	95,000	500	88,000	1,500	89,000	4,000	90,000	500	89,000	1,500	98,000	1,000	88,000	2,000
Science occupations	89,000	1,000	84,000	1,500	70,000	9,500	83,000	2,000	83,000	2,500	90,000	500	83,000	3,500
Biological, agricultural, and other life scientist	82,000	1,500	75,000	4,500	D	D	70,000	2,500	81,000	4,000	87,000	2,000	78,000	6,000
Computer and information scientist	104,000	2,500	97,000	15,500	D	D	100,000	4,500	89,000	7,000	106,000	4,000	101,000	8,500
Mathematical scientist	89,000	1,000	96,000	7,000	D	D	89,000	2,000	81,000	4,500	89,000	1,000	77,000	6,000
Physical scientist	85,000	1,500	80,000	2,000	*	*	78,000	3,000	75,000	3,500	88,000	2,500	78,000	4,000
Psychologist	88,000	1,500	85,000	3,500	D	D	84,000	3,000	82,000	5,500	89,000	1,500	88,000	5,000
Social scientist	93,000	1,500	88,000	2,000	69,000	6,000	95,000	2,500	88,000	4,000	94,000	2,000	93,000	6,500
Engineering occupations	108,000	2,000	99,000	4,000	D	D	101,000	3,500	98,000	5,500	110,000	2,000	102,000	9,000
S&E-related occupations	106,000	2,500	96,000	8,000	94,000	8,500	106,000	9,000	90,000	4,000	109,000	2,000	88,000	11,000
Non-S&E occupations	120,000	2,500	94,000	3,500	86,000	9,000	120,000	9,500	100,000	3,000	125,000	2,000	106,000	14,000

TABLE 72

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

(Dollars)

Employment sector and occupation	All full-time employed		Hispanic or Latino ^a		Not Hispanic or Latino ^b									
					American Indian or Alaska Native		Asian		Black or African American		White		Other race ^c	
	Median salary	SE	Median salary	SE	Median salary	SE	Median salary	SE	Median salary	SE	Median salary	SE	Median salary	SE
Other educational institution ^e	76,000	1,500	76,000	4,000	67,000	6,500	73,000	7,500	78,000	3,500	76,000	2,000	76,000	3,500
Science occupations	76,000	2,000	75,000	2,500	S	S	70,000	11,500	76,000	5,500	77,000	2,000	81,000	6,000
Biological, agricultural, and other life scientist	73,000	2,500	74,000	3,000	D	D	64,000	13,500	62,000	12,000	74,000	2,500	D	D
Computer and information scientist	78,000	9,500	D	D	D	D	S	S	D	D	73,000	10,500	D	D
Mathematical scientist	79,000	4,000	70,000	13,500	D	D	81,000	9,500	D	D	75,000	13,000	D	D
Physical scientist	70,000	3,000	70,000	12,000	D	D	67,000	4,000	64,000	5,500	72,000	3,500	D	D
Psychologist	84,000	5,000	88,000	14,500	D	D	D	D	87,000	6,000	80,000	5,500	S	S
Social scientist	76,000	2,500	74,000	1,000	D	D	D	D	73,000	9,500	76,000	3,000	D	D
Engineering occupations	73,000	11,500	D	D	D	D	D	D	D	D	93,000	18,000	D	D
S&E-related occupations	65,000	3,500	70,000	11,000	D	D	58,000	11,000	58,000	8,000	66,000	3,500	66,000	12,500
Non-S&E occupations	94,000	4,000	85,000	5,000	D	D	79,000	8,000	106,000	7,500	96,000	3,500	69,000	9,500
Private, for profit ^f	150,000	500	134,000	4,000	126,000	17,500	149,000	500	124,000	4,000	150,000	500	145,000	7,500
Science occupations	140,000	2,000	129,000	4,000	109,000	9,000	149,000	2,000	119,000	2,000	140,000	1,000	139,000	7,500
Biological, agricultural, and other life scientist	127,000	2,500	124,000	4,500	D	D	122,000	3,500	120,000	4,000	130,000	1,000	129,000	11,500
Computer and information scientist	160,000	2,000	153,000	12,000	D	D	168,000	6,500	131,000	3,500	159,000	3,000	151,000	11,500
Mathematical scientist	150,000	4,500	137,000	14,500	D	D	150,000	6,000	122,000	22,000	157,000	8,000	145,000	17,000
Physical scientist	133,000	2,000	119,000	5,000	D	D	123,000	4,500	112,000	13,500	140,000	4,500	138,000	11,000
Psychologist	117,000	4,500	113,000	8,500	D	D	120,000	11,500	90,000	15,000	118,000	5,500	S	S
Social scientist	154,000	6,500	118,000	24,000	D	D	158,000	12,000	116,000	11,500	158,000	7,000	144,000	22,000
Engineering occupations	140,000	2,000	133,000	6,500	D	D	139,000	3,000	125,000	5,500	148,000	3,000	143,000	14,500
S&E-related occupations	169,000	4,000	151,000	18,500	S	S	158,000	6,000	129,000	17,500	179,000	4,000	151,000	17,000

TABLE 72

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

(Dollars)

Employment sector and occupation	All full-time employed		Hispanic or Latino ^a		Not Hispanic or Latino ^b									
					American Indian or Alaska Native		Asian		Black or African American		White		Other race ^c	
	Median salary	SE	Median salary	SE	Median salary	SE	Median salary	SE	Median salary	SE	Median salary	SE	Median salary	SE
Non-S&E occupations	164,000	4,500	148,000	4,000	156,000	33,000	160,000	5,000	130,000	10,500	170,000	5,500	155,000	20,000
Private, nonprofit	119,000	500	100,000	4,000	110,000	9,000	110,000	4,500	98,000	8,500	125,000	1,500	109,000	6,500
Science occupations	110,000	2,500	91,000	7,000	D	D	104,000	6,000	90,000	6,500	116,000	3,000	108,000	8,500
Biological, agricultural, and other life scientist	100,000	2,500	67,000	5,000	D	D	90,000	4,500	95,000	16,500	110,000	2,500	87,000	19,500
Computer and information scientist	137,000	13,000	D	D	D	D	117,000	8,000	*	*	152,000	7,500	S	S
Mathematical scientist	130,000	3,000	99,000	10,000	D	D	131,000	11,000	S	S	130,000	7,000	D	D
Physical scientist	128,000	4,500	102,000	21,500	D	D	116,000	11,500	S	S	136,000	7,000	97,000	10,500
Psychologist	104,000	2,000	96,000	8,500	D	D	97,000	6,000	87,000	6,500	104,000	1,000	D	D
Social scientist	120,000	9,000	118,000	14,000	D	D	106,000	28,000	92,000	9,000	126,000	10,500	D	D
Engineering occupations	137,000	7,000	143,000	16,500	D	D	134,000	7,000	126,000	10,000	142,000	7,500	D	D
S&E-related occupations	149,000	8,000	111,000	29,000	D	D	147,000	47,500	129,000	14,500	150,000	17,000	135,000	34,500
Non-S&E occupations	112,000	7,000	103,000	13,500	D	D	93,000	12,000	92,000	9,500	122,000	7,500	88,000	22,000
Federal government	126,000	1,500	120,000	2,500	121,000	2,500	130,000	4,000	114,000	3,500	128,000	2,000	114,000	4,500
Science occupations	121,000	2,500	119,000	3,000	S	S	120,000	3,000	107,000	3,000	124,000	2,000	114,000	3,000
Biological, agricultural, and other life scientist	120,000	1,500	118,000	6,000	D	D	112,000	8,500	106,000	6,500	120,000	2,000	103,000	14,500
Computer and information scientist	134,000	5,500	D	D	D	D	133,000	13,500	S	S	140,000	7,000	D	D
Mathematical scientist	136,000	6,500	149,000	6,000	D	D	137,000	12,000	134,000	21,500	132,000	7,000	D	D
Physical scientist	130,000	1,500	119,000	14,000	D	D	125,000	15,500	94,000	3,000	130,000	4,500	113,000	10,500
Psychologist	110,000	2,500	111,000	4,000	D	D	106,000	21,500	105,000	10,000	110,000	2,500	D	D
Social scientist	139,000	5,000	155,000	6,000	D	D	128,000	12,500	127,000	17,000	140,000	5,000	*	*
Engineering occupations	130,000	2,000	110,000	7,000	D	D	133,000	6,500	128,000	1,500	130,000	3,000	D	D
S&E-related occupations	145,000	7,000	128,000	8,500	D	D	152,000	11,500	126,000	6,500	148,000	6,500	152,000	18,500

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					American Indian or Alaska Native		Asian		Black or African American		White		Other race ^c	
	Median salary	SE	Median salary	SE	Median salary	SE	Median salary	SE	Median salary	SE	Median salary	SE	Median salary	SE
Non-S&E occupations	139,000	3,500	129,000	9,000	D	D	142,000	7,500	119,000	6,000	140,000	8,500	S	S
State or local government	98,000	2,500	85,000	8,000	D	D	100,000	2,500	90,000	6,000	98,000	3,500	92,000	15,000
Science occupations	90,000	2,500	84,000	10,000	D	D	89,000	8,500	89,000	8,000	92,000	2,500	91,000	28,500
Biological, agricultural, and other life scientist	75,000	3,500	60,000	12,000	D	D	74,000	2,500	78,000	24,500	77,000	3,500	S	S
Computer and information scientist	97,000	13,000	D	D	D	D	83,000	3,500	*	*	110,000	11,500	D	D
Mathematical scientist	97,000	23,000	S	S	D	D	127,000	10,000	D	D	82,000	22,500	D	D
Physical scientist	100,000	6,000	85,000	12,000	D	D	90,000	30,500	D	D	116,000	13,000	S	S
Psychologist	95,000	5,000	86,000	15,500	D	D	100,000	10,500	82,000	6,000	96,000	6,500	D	D
Social scientist	91,000	2,000	S	S	D	D	97,000	12,500	93,000	5,500	90,000	3,000	D	D
Engineering occupations	102,000	7,000	78,000	13,000	D	D	101,000	11,500	S	S	106,000	8,000	D	D
S&E-related occupations	121,000	9,500	124,000	18,500	D	D	120,000	18,000	95,000	19,000	125,000	10,500	D	D
Non-S&E occupations	100,000	9,000	119,000	13,000	D	D	126,000	12,000	87,000	15,000	100,000	6,500	75,000	13,000
Self-employed ^g	100,000	500	83,000	8,000	D	D	89,000	13,500	99,000	7,000	100,000	4,000	82,000	22,500
Science occupations	101,000	9,000	80,000	14,500	D	D	97,000	13,000	99,000	5,000	108,000	8,000	89,000	17,500
Biological, agricultural, and other life scientist	78,000	6,500	S	S	D	D	77,000	12,000	D	D	85,000	14,500	D	D
Computer and information scientist	90,000	21,500	D	D	D	D	S	S	D	D	93,000	18,000	D	D
Mathematical scientist	181,000	37,000	D	D	D	D	D	D	D	D	D	D	D	D
Physical scientist	133,000	23,000	D	D	D	D	D	D	D	D	132,000	26,000	D	D
Psychologist	108,000	7,000	85,000	11,000	D	D	D	D	98,000	27,000	109,000	8,500	D	D
Social scientist	90,000	12,000	D	D	D	D	D	D	D	D	87,000	13,500	D	D
Engineering occupations	99,000	12,000	D	D	D	D	S	S	D	D	99,000	15,000	D	D
S&E-related occupations	172,000	29,000	S	S	D	D	132,000	38,500	D	D	174,000	38,000	D	D

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(Dollars)

Employment sector and occupation	All full-time employed		Hispanic or Latino ^a		Not Hispanic or Latino ^b									
					American Indian or Alaska Native		Asian		Black or African American		White		Other race ^c	
	Median salary	SE	Median salary	SE	Median salary	SE	Median salary	SE	Median salary	SE	Median salary	SE	Median salary	SE
Non-S&E occupations	80,000	7,500	S	S	D	D	64,000	18,000	76,000	21,500	86,000	6,500	D	D
Other sector ^h	132,000	5,500	155,000	15,500	D	D	135,000	6,000	132,000	18,000	128,000	6,000	136,000	42,500
Science occupations	130,000	3,000	157,000	20,000	D	D	130,000	9,500	126,000	21,000	128,000	6,000	D	D
Biological, agricultural, and other life scientist	105,000	20,500	*	*	D	D	93,000	24,500	D	D	131,000	23,500	D	D
Computer and information scientist	139,000	15,000	D	D	D	D	163,000	25,000	D	D	136,000	6,500	D	D
Mathematical scientist	147,000	20,500	D	D	D	D	S	S	S	S	D	D	D	D
Physical scientist	121,000	7,000	D	D	D	D	74,000	16,500	D	D	125,000	5,000	D	D
Psychologist	111,000	15,000	D	D	D	D	D	D	D	D	111,000	25,500	D	D
Social scientist	159,000	24,000	167,000	15,000	D	D	168,000	74,000	D	D	135,000	44,500	D	D
Engineering occupations	139,000	6,000	136,000	17,000	D	D	136,000	12,000	S	S	146,000	12,500	D	D
S&E-related occupations	116,000	13,500	D	D	D	D	122,000	36,000	D	D	109,000	11,000	D	D
Non-S&E occupations	139,000	8,500	179,000	58,000	D	D	139,000	32,500	160,000	36,500	126,000	11,500	D	D

* = 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 Hispanic or Latino may be of any race.

^b American Indian or Alaska Native, Asian, Black or African American, and White are single race.

^c Other race includes Native Hawaiian or Other Pacific Islander and persons reporting more than one race who are not of Hispanic or Latino ethnicity.

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

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

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

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

^h 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.