

TABLE 59

Median annual salaries of U.S. residing full-time employed doctoral scientists and engineers in 4-year educational institutions, by field of doctorate, sex, and faculty rank: 2019

(Dollars)

Field of study and sex	All full-time employed		Full professor		Associate professor		Assistant professor		Instructor or lecturer		All other faculty		Rank not applicable	
	Median salary	SE	Median salary	SE	Median salary	SE	Median salary	SE	Median salary	SE	Median salary	SE	Median salary	SE
All fields	95,000	500	130,000	1,000	95,000	1,000	82,000	1,000	65,000	1,000	72,000	7,500	65,000	1,500
Male	100,000	500	135,000	1,500	98,000	1,000	85,000	1,000	67,000	2,500	74,000	10,500	68,000	2,000
Female	86,000	1,500	120,000	3,000	91,000	1,500	80,000	500	62,000	2,000	62,000	10,500	64,000	1,500
Science	92,000	1,000	128,000	2,500	92,000	1,000	80,000	1,500	63,000	1,500	67,000	10,000	65,000	500
Male	100,000	1,000	130,000	2,000	95,000	1,500	83,000	1,500	65,000	1,000	71,000	11,500	67,000	2,000
Female	84,000	1,500	119,000	1,000	90,000	500	78,000	1,500	60,000	1,500	61,000	8,000	64,000	1,500
Biological, agricultural, and environmental life sciences	90,000	500	140,000	3,500	101,000	2,000	85,000	1,000	65,000	1,500	75,000	6,000	60,000	500
Male	100,000	1,500	148,000	4,000	105,000	3,000	89,000	1,500	69,000	3,000	80,000	14,500	60,000	500
Female	80,000	500	124,000	5,000	97,000	3,500	82,000	2,500	60,000	3,000	69,000	15,000	60,000	1,000
Agricultural and food sciences	95,000	1,500	119,000	1,500	91,000	5,000	79,000	1,500	67,000	6,500	S	S	65,000	2,000
Male	100,000	1,500	120,000	4,500	93,000	6,000	79,000	2,000	66,000	6,000	D	D	69,000	10,000
Female	80,000	3,000	109,000	7,500	89,000	7,500	80,000	4,000	88,000	34,000	D	D	60,000	4,000
Biochemistry and biophysics	92,000	6,000	159,000	8,000	101,000	5,000	80,000	3,500	64,000	2,500	S	S	59,000	1,500
Male	102,000	6,500	170,000	15,000	101,000	6,000	87,000	9,500	64,000	3,000	S	S	59,000	2,000
Female	76,000	6,000	121,000	17,000	102,000	3,500	70,000	9,000	S	S	D	D	59,000	2,000
Cell, cellular biology, and molecular biology	88,000	4,000	156,000	12,000	105,000	6,000	90,000	4,000	63,000	6,500	D	D	60,000	1,500
Male	98,000	5,000	165,000	19,000	116,000	4,500	92,000	8,000	64,000	6,500	D	D	64,000	3,000
Female	75,000	4,000	145,000	8,000	95,000	9,500	82,000	7,000	62,000	4,500	D	D	56,000	2,000
Microbiological sciences and immunology	86,000	3,000	160,000	22,000	104,000	8,000	91,000	6,500	68,000	8,500	D	D	59,000	2,000
Male	94,000	8,500	178,000	13,000	112,000	8,000	104,000	5,500	75,000	10,500	D	D	58,000	4,000
Female	82,000	3,500	115,000	10,500	91,000	9,000	85,000	5,000	61,000	9,500	D	D	59,000	2,000
Natural resources and conservation	83,000	3,500	128,000	17,000	83,000	2,500	75,000	5,000	59,000	500	D	D	67,000	7,000
Male	90,000	5,000	135,000	20,000	80,000	3,500	75,000	7,500	58,000	3,500	D	D	68,000	10,500
Female	77,000	3,500	102,000	8,500	87,000	4,500	75,000	6,500	58,000	1,500	D	D	65,000	9,000
Zoology	90,000	5,000	124,000	5,000	85,000	6,000	68,000	8,500	61,000	5,500	D	D	60,000	8,000
Male	101,000	6,000	129,000	8,500	85,000	7,000	63,000	12,500	D	D	D	D	61,000	4,000
Female	73,000	3,000	100,000	15,000	78,000	14,000	73,000	12,500	59,000	4,500	D	D	51,000	6,500
Other biological sciences	90,000	500	142,000	6,000	105,000	3,000	87,000	2,500	65,000	2,500	D	D	60,000	1,000
Male	100,000	2,500	148,000	5,500	110,000	4,500	90,000	1,500	71,000	5,000	D	D	59,000	2,000
Female	82,000	2,500	129,000	8,500	98,000	5,500	83,000	2,500	60,000	3,500	D	D	60,000	500
Computer and information sciences	109,000	3,500	138,000	7,500	104,000	6,000	99,000	3,000	82,000	12,000	D	D	104,000	12,000
Male	110,000	2,000	143,000	5,000	106,000	5,500	99,000	1,000	91,000	20,000	D	D	96,000	17,500
Female	100,000	2,000	116,000	4,000	95,000	4,000	91,000	3,000	78,000	14,500	D	D	141,000	44,500

TABLE 59

Median annual salaries of U.S. residing full-time employed doctoral scientists and engineers in 4-year educational institutions, by field of doctorate, sex, and faculty rank: 2019

(Dollars)

Field of study and sex	All full-time employed		Full professor		Associate professor		Assistant professor		Instructor or lecturer		All other faculty		Rank not applicable	
	Median salary	SE	Median salary	SE	Median salary	SE	Median salary	SE	Median salary	SE	Median salary	SE	Median salary	SE
Mathematics and statistics	90,000	1,000	110,000	3,000	85,000	2,500	72,000	3,000	59,000	2,500	D	D	77,000	9,000
Male	92,000	2,500	114,000	3,500	85,000	3,500	74,000	3,500	60,000	2,500	D	D	77,000	9,500
Female	80,000	1,000	100,000	2,500	81,000	4,500	70,000	3,000	58,000	5,000	D	D	70,000	28,000
Physical sciences, geosciences, atmospheric sciences, and ocean sciences	90,000	500	126,000	3,000	87,000	2,500	76,000	2,500	60,000	2,000	59,000	17,500	70,000	2,000
Male	93,000	2,500	127,000	3,500	86,000	3,000	80,000	2,500	64,000	3,500	D	D	73,000	4,000
Female	80,000	1,000	124,000	6,000	89,000	4,000	71,000	3,000	57,000	2,500	S	S	62,000	3,000
Astronomy and astrophysics	90,000	5,500	140,000	8,500	89,000	10,500	78,000	5,500	58,000	3,000	D	D	73,000	4,000
Male	96,000	6,000	144,000	11,000	85,000	10,000	73,000	7,000	S	S	D	D	73,000	8,000
Female	87,000	4,500	120,000	11,000	97,000	6,000	83,000	7,000	S	S	D	D	67,000	3,500
Chemistry, except biochemistry	84,000	2,000	126,000	5,000	81,000	2,000	72,000	3,500	60,000	3,500	D	D	63,000	4,500
Male	89,000	2,000	129,000	8,500	81,000	3,000	75,000	3,500	60,000	6,500	D	D	67,000	8,500
Female	75,000	3,000	110,000	12,000	80,000	1,000	66,000	3,500	58,000	2,500	D	D	56,000	2,500
Geosciences, atmospheric sciences, and ocean sciences	90,000	1,000	121,000	4,500	88,000	3,000	75,000	1,500	62,000	4,500	D	D	73,000	3,500
Male	93,000	3,500	120,000	3,500	86,000	3,000	77,000	2,500	77,000	13,000	D	D	76,000	6,000
Female	83,000	4,000	128,000	3,500	93,000	6,000	70,000	2,500	58,000	2,000	D	D	68,000	3,500
Physics	100,000	2,500	129,000	5,500	95,000	6,000	84,000	6,000	68,000	9,500	D	D	72,000	4,500
Male	100,000	1,500	126,000	6,000	94,000	6,000	89,000	4,000	74,000	7,000	D	D	75,000	5,500
Female	89,000	5,500	150,000	22,500	103,000	15,000	78,000	2,000	48,000	12,000	D	D	65,000	5,000
Psychology	92,000	2,000	125,000	2,500	89,000	1,500	76,000	2,500	64,000	4,500	D	D	81,000	2,000
Male	100,000	1,500	129,000	3,000	89,000	2,000	77,000	3,000	60,000	5,500	D	D	94,000	9,500
Female	88,000	1,500	119,000	6,000	89,000	2,500	75,000	3,000	65,000	5,000	D	D	80,000	3,500
Social sciences	95,000	500	124,000	4,500	90,000	2,000	78,000	2,000	60,000	1,500	D	D	79,000	3,000
Male	100,000	2,000	129,000	3,500	90,000	2,500	80,000	2,500	59,000	3,500	D	D	89,000	6,500
Female	86,000	2,000	115,000	5,500	87,000	2,000	77,000	2,000	62,000	3,000	D	D	74,000	3,500
Economics	119,000	3,000	149,000	8,000	108,000	4,000	101,000	4,000	78,000	9,500	D	D	99,000	12,500
Male	123,000	6,500	152,000	10,500	109,000	5,000	109,000	8,000	85,000	28,500	D	D	99,000	15,500
Female	104,000	3,500	129,000	12,000	103,000	5,000	96,000	5,500	76,000	10,500	D	D	S	S
Political science and government	95,000	3,000	119,000	4,500	85,000	4,000	75,000	3,500	70,000	14,500	D	D	88,000	8,500
Male	99,000	4,000	122,000	7,500	82,000	3,500	74,000	4,000	64,000	15,000	D	D	95,000	18,000
Female	88,000	4,000	114,000	10,000	87,000	6,500	76,000	5,500	71,000	17,500	D	D	83,000	4,500
Sociology, demography, and population studies	87,000	2,000	126,000	4,500	82,000	3,000	75,000	2,500	54,000	4,000	D	D	69,000	6,000
Male	93,000	5,500	129,000	5,000	83,000	4,000	75,000	4,500	52,000	22,000	D	D	78,000	11,000

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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
Female	84,000	2,500	121,000	16,500	82,000	3,500	74,000	3,500	55,000	6,000	D	D	66,000	3,000
Other social sciences	85,000	2,000	110,000	3,500	85,000	1,500	72,000	2,000	60,000	1,500	D	D	75,000	3,000
Male	90,000	2,000	115,000	5,500	86,000	3,500	70,000	2,500	58,000	7,000	D	D	83,000	8,000
Female	82,000	2,500	107,000	5,000	84,000	1,500	73,000	2,000	61,000	3,500	D	D	73,000	4,500
Engineering	108,000	2,000	144,000	3,500	107,000	2,000	89,000	500	76,000	3,500	S	S	71,000	4,500
Male	109,000	1,500	144,000	3,500	107,000	2,000	90,000	500	78,000	3,500	D	D	79,000	5,500
Female	97,000	3,000	148,000	7,500	106,000	3,500	86,000	2,500	71,000	3,500	S	S	66,000	4,000
Aerospace, aeronautical, and astronautical engineering	107,000	9,500	161,000	27,000	99,000	6,500	93,000	9,000	S	S	D	D	91,000	7,500
Male	100,000	8,000	153,000	29,000	97,000	8,500	90,000	6,500	D	D	D	D	91,000	13,000
Female	124,000	5,500	D	D	115,000	17,500	D	D	D	D	D	D	D	D
Chemical engineering	106,000	7,500	147,000	16,000	107,000	7,000	99,000	9,000	D	D	D	D	57,000	4,000
Male	119,000	13,000	150,000	21,000	106,000	7,000	104,000	20,500	D	D	D	D	55,000	4,500
Female	85,000	10,500	125,000	16,000	108,000	21,500	74,000	12,500	D	D	D	D	69,000	10,500
Civil engineering	105,000	4,500	141,000	4,500	102,000	6,000	86,000	3,500	79,000	2,000	D	D	77,000	11,500
Male	106,000	4,500	142,000	5,500	100,000	5,500	89,000	5,500	78,000	2,000	D	D	82,000	13,000
Female	105,000	8,500	131,000	8,000	114,000	5,500	84,000	2,500	S	S	D	D	51,000	14,000
Electrical and computer engineering	110,000	6,000	141,000	6,500	106,000	2,000	89,000	5,500	83,000	12,000	D	D	117,000	12,500
Male	111,000	6,000	142,000	6,000	107,000	2,000	89,000	4,500	92,000	18,500	D	D	118,000	9,500
Female	108,000	8,000	140,000	6,000	101,000	4,000	70,000	24,000	D	D	D	D	84,000	28,000
Mechanical engineering	104,000	5,500	126,000	5,000	105,000	5,000	87,000	2,500	75,000	8,000	D	D	88,000	9,500
Male	108,000	5,000	125,000	5,500	107,000	5,500	88,000	2,500	80,000	9,500	D	D	86,000	15,500
Female	92,000	4,500	165,000	24,500	100,000	9,000	79,000	12,500	D	D	D	D	90,000	16,000
Industrial engineers	100,000	7,000	165,000	21,500	113,000	5,500	89,000	5,000	D	D	D	D	62,000	8,000
Male	107,000	7,500	156,000	26,500	113,000	5,500	89,000	5,500	D	D	D	D	60,000	7,000
Female	84,000	9,500	175,000	16,500	D	D	D	D	D	D	D	D	66,000	17,500
Other engineering	105,000	4,000	153,000	5,500	111,000	5,000	90,000	2,000	69,000	7,500	D	D	65,000	2,500
Male	111,000	4,000	153,000	5,500	112,000	5,500	90,000	3,500	68,000	11,000	D	D	70,000	5,500
Female	94,000	3,000	151,000	13,000	107,000	5,500	89,000	1,500	68,000	6,500	D	D	61,000	2,500
Health	97,000	3,000	139,000	4,500	99,000	1,500	84,000	2,500	59,000	9,500	S	S	70,000	2,000
Male	100,000	6,000	154,000	10,500	100,000	7,000	82,000	3,000	S	S	D	D	63,000	8,500
Female	94,000	3,000	125,000	5,500	99,000	3,000	85,000	2,500	58,000	7,500	S	S	74,000	2,500

D = suppressed to avoid disclosure of confidential information. S = suppressed for reliability; coefficient of variation exceeds publication standards.

SE = standard error.

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. Four-year educational institutions include 4-year colleges or universities, medical schools (including university-affiliated hospitals or medical centers), and university-affiliated research institutes. 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.