

TABLE 62

**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 tenure status: 2019**

(Dollars)

Field of study and sex	All full-time employed		Tenured		Not tenured				Tenure not applicable	
					On tenure track		Not on tenure track			
	Median salary	SE	Median salary	SE	Median salary	SE	Median salary	SE	Median salary	SE
All fields	95,000	500	111,000	1,500	85,000	500	75,000	1,500	75,000	500
Male	100,000	500	118,000	2,000	89,000	1,500	78,000	3,000	80,000	1,500
Female	86,000	1,500	102,000	2,000	81,000	1,500	74,000	1,000	70,000	500
Science	92,000	1,000	109,000	1,500	83,000	1,000	75,000	2,000	73,000	1,500
Male	100,000	1,000	115,000	2,500	87,000	1,500	75,000	2,000	78,000	2,500
Female	84,000	1,500	100,000	500	80,000	1,000	72,000	2,000	69,000	2,000
Biological, agricultural, and environmental life sciences	90,000	500	119,000	1,000	90,000	2,000	74,000	2,500	65,000	500
Male	100,000	1,500	124,000	4,500	93,000	2,000	75,000	3,500	68,000	3,000
Female	80,000	500	106,000	3,000	87,000	2,500	70,000	3,000	62,000	1,500
Agricultural and food sciences	95,000	1,500	115,000	3,500	80,000	3,500	74,000	4,500	70,000	1,500
Male	100,000	1,500	118,000	3,000	80,000	5,000	84,000	13,000	83,000	11,000
Female	80,000	3,000	102,000	6,000	79,000	5,500	68,000	4,000	67,000	6,000
Biochemistry and biophysics	92,000	6,000	128,000	8,000	85,000	10,500	73,000	8,000	60,000	4,000
Male	102,000	6,500	140,000	14,500	99,000	11,500	81,000	8,000	59,000	3,000
Female	76,000	6,000	109,000	7,500	79,000	12,500	60,000	6,000	64,000	5,000
Cell, cellular biology, and molecular biology	88,000	4,000	119,000	4,500	100,000	14,500	76,000	5,000	63,000	2,500
Male	98,000	5,000	119,000	14,000	97,000	10,000	70,000	7,500	81,000	9,000
Female	75,000	4,000	116,000	10,500	111,000	19,500	81,000	5,500	57,000	2,500
Microbiological sciences and immunology	86,000	3,000	124,000	9,500	98,000	3,500	72,000	5,500	65,000	4,500
Male	94,000	8,500	150,000	18,000	100,000	5,000	75,000	12,500	67,000	5,500
Female	82,000	3,500	100,000	10,000	89,000	6,500	72,000	4,500	62,000	4,000
Natural resources and conservation	83,000	3,500	109,000	9,000	75,000	5,500	62,000	7,500	70,000	5,500
Male	90,000	5,000	110,000	15,500	74,000	7,000	60,000	10,500	73,000	10,000
Female	77,000	3,500	100,000	5,000	76,000	7,500	63,000	8,000	68,000	5,000
Zoology	90,000	5,000	107,000	5,500	68,000	7,500	64,000	7,500	62,000	3,500
Male	101,000	6,000	115,000	7,500	60,000	7,500	75,000	18,000	68,000	10,000
Female	73,000	3,000	90,000	11,500	84,000	12,000	62,000	5,500	59,000	6,000
Other biological sciences	90,000	500	119,000	1,500	92,000	2,500	73,000	3,500	65,000	1,000
Male	100,000	2,500	122,000	4,500	96,000	4,000	75,000	4,500	65,000	1,500
Female	82,000	2,500	108,000	4,500	89,000	4,500	70,000	2,500	65,000	2,500
Computer and information sciences	109,000	3,500	120,000	3,500	100,000	2,000	95,000	4,500	100,000	5,000
Male	110,000	2,000	124,000	5,500	100,000	3,500	99,000	3,000	96,000	6,000
Female	100,000	2,000	114,000	9,000	92,000	4,000	85,000	8,000	104,000	24,000
Mathematics and statistics	90,000	1,000	100,000	1,500	76,000	3,500	65,000	3,500	71,000	3,500
Male	92,000	2,500	104,000	2,500	77,000	4,000	66,000	3,500	70,000	5,500
Female	80,000	1,000	90,000	3,000	72,000	6,500	64,000	5,500	71,000	4,000
Physical sciences, geosciences, atmospheric sciences, and ocean sciences	90,000	500	109,000	2,000	79,000	2,000	68,000	2,500	74,000	2,500
Male	93,000	2,500	109,000	2,000	81,000	2,500	71,000	5,500	79,000	3,000
Female	80,000	1,000	105,000	3,500	73,000	2,500	62,000	2,500	62,000	3,000
Astronomy and astrophysics	90,000	5,500	110,000	6,500	82,000	8,000	69,000	2,000	76,000	8,000
Male	96,000	6,000	109,000	7,000	80,000	11,500	69,000	3,000	89,000	9,000

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(Dollars)

Field of study and sex	All full-time employed		Tenured		Not tenured				Tenure not applicable	
					On tenure track		Not on tenure track			
	Median salary	SE	Median salary	SE	Median salary	SE	Median salary	SE	Median salary	SE
Female	87,000	4,500	115,000	6,000	84,000	7,500	68,000	3,500	64,000	6,500
Chemistry, except biochemistry	84,000	2,000	100,000	2,500	72,000	3,500	62,000	3,500	66,000	5,000
Male	89,000	2,000	102,000	5,500	75,000	3,000	64,000	7,000	78,000	5,500
Female	75,000	3,000	95,000	5,500	65,000	4,000	57,000	3,500	58,000	3,000
Geosciences, atmospheric sciences, and ocean sciences	90,000	1,000	109,000	3,000	79,000	2,500	71,000	3,000	75,000	2,500
Male	93,000	3,500	107,000	3,500	80,000	3,000	78,000	4,000	79,000	4,500
Female	83,000	4,000	110,000	5,000	75,000	4,500	62,000	3,000	72,000	3,500
Physics	100,000	2,500	119,000	6,500	85,000	6,000	75,000	6,500	75,000	3,500
Male	100,000	1,500	118,000	8,500	89,000	5,000	77,000	10,000	78,000	3,500
Female	89,000	5,500	118,000	10,000	78,000	1,500	73,000	7,000	58,000	7,500
Psychology	92,000	2,000	103,000	2,500	75,000	1,000	85,000	3,500	86,000	3,000
Male	100,000	1,500	110,000	3,500	75,000	2,500	90,000	13,500	93,000	8,500
Female	88,000	1,500	98,000	2,500	74,000	1,500	84,000	2,500	83,000	3,500
Social sciences	95,000	500	105,000	1,500	80,000	1,000	70,000	3,000	84,000	3,000
Male	100,000	2,000	109,000	2,500	84,000	4,000	68,000	7,500	95,000	5,500
Female	86,000	2,000	98,000	2,500	78,000	2,500	70,000	3,000	75,000	3,500
Economics	119,000	3,000	125,000	5,000	111,000	7,000	94,000	10,000	107,000	10,500
Male	123,000	6,500	129,000	3,000	114,000	6,500	99,000	8,000	111,000	14,500
Female	104,000	3,500	110,000	7,000	105,000	6,000	70,000	11,500	101,000	9,000
Political science and government	95,000	3,000	105,000	3,500	75,000	3,000	75,000	8,000	104,000	15,000
Male	99,000	4,000	105,000	2,500	75,000	4,500	64,000	17,500	107,000	11,500
Female	88,000	4,000	100,000	4,500	75,000	4,500	77,000	5,500	85,000	17,500
Sociology, demography, and population studies	87,000	2,000	96,000	4,500	74,000	3,000	63,000	4,000	75,000	5,000
Male	93,000	5,500	105,000	6,500	69,000	3,500	62,000	10,000	85,000	16,000
Female	84,000	2,500	90,000	3,000	75,000	5,500	63,000	3,000	69,000	4,000
Other social sciences	85,000	2,000	97,000	2,500	74,000	1,000	65,000	2,000	75,000	3,000
Male	90,000	2,000	100,000	3,000	75,000	2,000	64,000	3,500	84,000	7,000
Female	82,000	2,500	93,000	3,000	74,000	1,000	66,000	4,500	72,000	3,500
Engineering	108,000	2,000	129,000	1,500	90,000	1,500	80,000	1,500	89,000	4,000
Male	109,000	1,500	129,000	3,000	92,000	1,500	80,000	2,500	96,000	5,500
Female	97,000	3,000	130,000	6,500	87,000	3,000	74,000	6,000	71,000	5,500
Aerospace, aeronautical, and astronautical engineering	107,000	9,500	124,000	7,500	99,000	14,000	87,000	11,000	94,000	6,000
Male	100,000	8,000	123,000	11,500	90,000	13,500	84,000	13,000	93,000	5,500
Female	124,000	5,500	123,000	12,500	S	S	*	*	D	D
Chemical engineering	106,000	7,500	132,000	7,500	103,000	7,500	75,000	10,500	60,000	10,000
Male	119,000	13,000	136,000	8,000	105,000	24,000	67,000	8,500	57,000	4,500
Female	85,000	10,500	123,000	7,000	D	D	D	D	70,000	7,000
Civil engineering	105,000	4,500	122,000	6,500	87,000	3,500	79,000	2,000	92,000	9,000
Male	106,000	4,500	119,000	9,500	89,000	4,500	79,000	4,500	90,000	7,500
Female	105,000	8,500	126,000	5,000	84,000	2,000	50,000	16,500	106,000	30,000
Electrical and computer engineering	110,000	6,000	130,000	4,000	95,000	3,000	82,000	5,000	113,000	15,500
Male	111,000	6,000	129,000	6,000	94,000	3,000	83,000	5,500	120,000	13,000
Female	108,000	8,000	140,000	9,500	95,000	22,000	D	D	79,000	6,500
Mechanical engineering	104,000	5,500	120,000	2,000	88,000	2,500	80,000	5,500	93,000	8,000

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	Median salary	SE	Median salary	SE	Median salary	SE	Median salary	SE	Median salary	SE
Male	108,000	5,000	120,000	1,000	89,000	2,000	80,000	6,500	96,000	11,000
Female	92,000	4,500	139,000	18,500	79,000	13,000	D	D	84,000	20,000
Metallurgical and materials engineering	100,000	7,000	138,000	11,000	94,000	8,000	69,000	3,500	66,000	14,000
Male	107,000	7,500	139,000	11,000	92,000	9,000	66,000	4,000	73,000	14,500
Female	84,000	9,500	119,000	45,000	D	D	D	D	50,000	20,000
Other engineering	105,000	4,000	141,000	6,500	90,000	3,000	85,000	6,500	85,000	7,000
Male	111,000	4,000	140,000	7,500	91,000	4,000	88,000	4,500	92,000	11,000
Female	94,000	3,000	142,000	12,000	90,000	3,000	68,000	8,500	65,000	3,500
Health	97,000	3,000	114,000	4,000	85,000	3,000	88,000	3,000	90,000	2,500
Male	100,000	6,000	127,000	11,000	83,000	4,000	90,000	11,000	89,000	10,500
Female	94,000	3,000	109,000	4,000	85,000	3,000	87,000	2,500	90,000	3,000

\* = suppressed when population estimate < 25. 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.