

TABLE 59
Median annual salary of U.S. residing full-time employed doctoral scientists and engineers in 4-year educational institutions, by field of doctorate, sex, and faculty rank: 2023

(Dollars and SE)

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	105,000	1,000	145,000	1,500	102,000	1,500	94,000	1,500	72,000	2,000	90,000	6,500	79,000	2,000
Male	110,000	500	150,000	1,000	105,000	1,500	95,000	1,500	75,000	3,000	79,000	8,000	78,000	2,500
Female	99,000	1,500	135,000	3,000	100,000	500	91,000	1,500	71,000	1,500	100,000	14,000	80,000	2,500
Science	100,000	1,500	140,000	500	100,000	500	91,000	1,500	70,000	2,000	90,000	7,500	78,000	1,500
Male	109,000	2,000	145,000	2,500	102,000	2,000	93,000	2,000	70,000	2,500	80,000	9,500	77,000	2,500
Female	95,000	1,500	130,000	2,000	98,000	2,000	90,000	1,000	70,000	2,000	102,000	15,500	79,000	2,500
Biological, agricultural, and environmental life sciences	100,000	1,000	150,000	4,000	110,000	1,500	97,000	2,500	70,000	2,500	78,000	11,000	70,000	2,000
Male	110,000	1,000	155,000	6,000	114,000	4,000	100,000	1,000	70,000	4,500	73,000	8,500	70,000	2,500
Female	93,000	2,000	143,000	8,000	108,000	4,000	93,000	2,500	69,000	5,000	86,000	4,500	71,000	2,000
Agricultural and food sciences	103,000	3,500	130,000	5,500	102,000	7,000	84,000	5,500	83,000	8,500	D	D	75,000	6,500
Male	109,000	3,000	135,000	6,500	109,000	8,500	83,000	6,500	80,000	11,000	D	D	85,000	17,000
Female	92,000	3,000	119,000	7,500	98,000	2,500	87,000	8,000	100,000	6,000	D	D	71,000	5,500
Biochemistry and biophysics	109,000	6,000	168,000	9,500	108,000	8,500	92,000	5,500	58,000	3,500	D	D	75,000	4,500
Male	119,000	7,500	166,000	13,500	115,000	12,000	99,000	15,000	59,000	3,500	D	D	75,000	5,500
Female	91,000	3,000	169,000	15,000	99,000	8,000	88,000	2,000	S	S	D	D	76,000	10,500
Cell, cellular biology, and molecular biology	100,000	5,000	170,000	15,500	113,000	8,000	107,000	6,500	84,000	17,500	D	D	75,000	6,500
Male	109,000	4,500	176,000	13,500	118,000	10,000	106,000	8,500	D	D	D	D	79,000	10,500
Female	96,000	5,500	149,000	20,500	108,000	12,500	107,000	15,000	75,000	27,500	D	D	75,000	4,000
Microbiological sciences and immunology	100,000	3,500	164,000	13,000	127,000	8,500	96,000	4,500	75,000	12,000	D	D	74,000	3,000
Male	116,000	7,000	175,000	11,000	146,000	16,500	99,000	6,000	D	D	D	D	74,000	2,000
Female	89,000	4,000	138,000	16,000	108,000	9,500	90,000	7,500	72,000	7,500	D	D	70,000	5,000
Natural resources and conservation	90,000	3,000	122,000	5,500	92,000	4,000	83,000	4,000	68,000	4,000	D	D	69,000	5,500
Male	90,000	5,500	121,000	11,000	88,000	7,000	82,000	6,000	69,000	4,000	D	D	78,000	9,000
Female	89,000	3,500	124,000	11,000	93,000	7,500	84,000	5,500	60,000	12,500	D	D	66,000	5,000
Zoology	92,000	4,000	110,000	6,000	90,000	6,500	83,000	9,000	D	D	D	D	65,000	2,500
Male	99,000	4,500	112,000	18,000	94,000	7,000	73,000	5,000	D	D	D	D	59,000	10,000
Female	84,000	2,000	108,000	6,000	84,000	2,500	87,000	6,000	D	D	D	D	65,000	500
Other biological sciences	100,000	2,500	156,000	6,500	113,000	6,000	101,000	3,000	69,000	1,000	89,000	7,000	69,000	1,000
Male	110,000	2,000	159,000	9,500	114,000	6,000	106,000	4,500	70,000	3,500	D	D	68,000	1,500
Female	94,000	2,000	147,000	9,000	110,000	8,000	95,000	3,500	67,000	5,500	D	D	70,000	1,500
Computer and information sciences	119,000	2,500	163,000	7,500	112,000	3,500	104,000	1,500	87,000	14,500	D	D	94,000	9,500
Male	121,000	3,000	166,000	8,500	114,000	4,000	104,000	2,000	98,000	7,500	D	D	97,000	11,500
Female	107,000	6,000	155,000	18,000	107,000	7,500	100,000	7,000	77,000	4,000	D	D	78,000	24,500
Mathematics and statistics	99,000	1,000	121,000	6,500	94,000	4,500	87,000	2,500	64,000	4,000	D	D	69,000	6,000
Male	100,000	2,000	127,000	4,500	99,000	5,000	87,000	2,500	61,000	2,000	D	D	70,000	6,500

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(Dollars and SE)

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
Female	90,000	2,000	110,000	4,500	89,000	4,000	87,000	7,500	78,000	7,000	D	D	65,000	12,000
Physical sciences, geosciences, atmospheric sciences, and ocean sciences	100,000	1,500	134,000	6,000	92,000	3,000	84,000	3,000	70,000	3,500	103,000	8,000	80,000	2,500
Male	102,000	3,500	139,000	5,000	92,000	4,000	85,000	3,500	75,000	6,500	D	D	80,000	3,500
Female	90,000	1,500	125,000	6,000	91,000	5,000	81,000	4,000	67,000	3,500	D	D	76,000	5,500
Astronomy and astrophysics	100,000	4,000	133,000	11,500	84,000	8,000	92,000	6,500	D	D	D	D	88,000	5,000
Male	100,000	6,500	138,000	17,000	83,000	8,000	80,000	14,000	D	D	D	D	89,000	11,000
Female	97,000	5,000	120,000	9,500	87,000	16,000	99,000	6,000	D	D	D	D	79,000	6,500
Chemistry, except biochemistry	89,000	2,000	121,000	5,000	81,000	2,500	77,000	2,500	70,000	3,500	D	D	73,000	4,000
Male	95,000	3,500	127,000	4,500	82,000	2,500	75,000	4,000	72,000	9,500	D	D	73,000	4,500
Female	83,000	2,500	100,000	12,500	80,000	4,000	78,000	3,500	70,000	5,000	D	D	72,000	9,500
Geosciences, atmospheric sciences, and ocean sciences	100,000	2,000	134,000	5,000	100,000	2,000	82,000	3,000	68,000	3,500	105,000	16,500	84,000	5,500
Male	102,000	3,500	132,000	8,500	100,000	2,500	83,000	4,000	77,000	10,500	S	S	88,000	7,000
Female	91,000	2,500	135,000	3,000	98,000	3,500	81,000	3,500	67,000	4,500	S	S	79,000	5,000
Physics	115,000	6,500	150,000	6,000	100,000	8,500	99,000	3,000	73,000	10,500	D	D	80,000	8,000
Male	116,000	6,500	150,000	5,500	99,000	3,500	99,000	3,500	75,000	8,500	D	D	82,000	9,000
Female	110,000	12,500	160,000	23,500	110,000	18,500	85,000	12,500	D	D	D	D	75,000	9,500
Psychology	100,000	1,500	132,000	3,500	94,000	3,500	88,000	3,500	70,000	3,000	S	S	90,000	3,000
Male	105,000	3,000	135,000	3,500	99,000	2,000	84,000	6,000	73,000	11,000	D	D	84,000	4,000
Female	100,000	1,000	127,000	6,000	90,000	2,000	90,000	4,500	69,000	2,500	D	D	91,000	4,500
Social sciences	102,000	2,000	139,000	3,000	100,000	1,500	85,000	1,500	69,000	3,000	D	D	90,000	3,500
Male	110,000	1,500	144,000	6,500	101,000	2,500	88,000	4,000	64,000	3,500	S	S	94,000	5,500
Female	98,000	2,000	126,000	5,000	97,000	2,500	83,000	2,000	73,000	4,000	D	D	85,000	4,500
Economics	130,000	4,000	168,000	13,000	123,000	4,000	116,000	4,000	91,000	18,500	D	D	99,000	22,500
Male	139,000	6,000	180,000	18,500	124,000	4,000	115,000	4,000	S	S	D	D	101,000	29,000
Female	118,000	4,500	130,000	15,500	115,000	10,500	117,000	6,500	105,000	24,500	D	D	90,000	21,000
Political science and government	101,000	4,000	140,000	11,000	94,000	6,500	81,000	4,000	83,000	14,500	D	D	93,000	7,000
Male	105,000	3,500	143,000	11,500	94,000	9,000	80,000	7,000	71,000	12,500	D	D	95,000	10,000
Female	100,000	3,500	139,000	19,500	90,000	7,500	81,000	3,500	D	D	D	D	89,000	7,500
Sociology, demography, and population studies	98,000	2,500	133,000	9,500	90,000	4,500	80,000	3,000	61,000	14,500	D	D	90,000	7,000
Male	96,000	3,000	143,000	19,500	86,000	6,500	79,000	6,000	S	S	D	D	88,000	10,500
Female	98,000	2,500	119,000	11,500	94,000	5,000	82,000	4,000	68,000	12,000	D	D	89,000	15,000
Other social sciences	93,000	2,000	123,000	3,000	93,000	3,500	75,000	3,000	64,000	1,500	D	D	86,000	4,500
Male	95,000	2,500	121,000	4,000	91,000	4,500	74,000	3,500	60,000	4,000	D	D	91,000	8,000
Female	90,000	2,500	124,000	6,000	94,000	4,000	76,000	3,000	69,000	3,000	D	D	84,000	3,000
Engineering	120,000	500	160,000	4,500	113,000	4,000	100,000	1,500	87,000	5,000	D	D	84,000	3,500

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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
Male	120,000	500	159,000	5,500	111,000	4,000	100,000	2,000	86,000	6,500	D	D	85,000	3,000
Female	114,000	5,500	163,000	5,500	119,000	4,000	100,000	2,500	87,000	9,500	D	D	80,000	7,000
Aerospace, aeronautical, and astronautical engineering	126,000	8,500	195,000	17,500	120,000	9,000	96,000	2,500	D	D	D	D	113,000	26,000
Male	122,000	7,000	197,000	15,500	119,000	17,000	95,000	2,500	D	D	D	D	98,000	16,500
Female	145,000	6,500	D	D	127,000	22,500	117,000	22,500	D	D	D	D	155,000	6,500
Chemical engineering	110,000	6,000	154,000	8,000	101,000	6,500	106,000	4,000	D	D	D	D	64,000	2,500
Male	110,000	9,500	152,000	12,500	102,000	6,500	103,000	3,000	D	D	D	D	63,000	3,500
Female	107,000	8,000	156,000	24,500	D	D	108,000	7,500	D	D	D	D	70,000	16,500
Civil engineering	115,000	5,000	160,000	7,500	106,000	8,000	95,000	3,000	110,000	35,000	D	D	78,000	11,500
Male	115,000	4,500	163,000	14,500	109,000	9,000	94,000	4,500	S	S	D	D	76,000	11,500
Female	110,000	7,500	158,000	6,500	100,000	7,000	95,000	2,500	D	D	D	D	82,000	9,000
Electrical and computer engineering	125,000	4,000	160,000	13,500	108,000	5,500	102,000	6,000	92,000	7,000	D	D	100,000	18,000
Male	120,000	5,000	150,000	16,000	108,000	5,500	100,000	5,500	D	D	D	D	100,000	12,500
Female	132,000	9,000	172,000	12,000	114,000	14,500	108,000	13,000	D	D	D	D	133,000	44,000
Mechanical engineering	119,000	1,000	151,000	13,500	112,000	7,500	100,000	3,000	94,000	9,000	D	D	93,000	10,500
Male	120,000	1,500	155,000	16,000	108,000	5,500	102,000	5,000	D	D	D	D	96,000	12,500
Female	111,000	9,000	130,000	12,500	140,000	9,000	99,000	1,000	D	D	D	D	71,000	5,000
Metallurgical and materials engineering	97,000	12,000	179,000	8,500	114,000	4,500	96,000	8,000	S	S	D	D	74,000	11,000
Male	94,000	18,500	176,000	13,500	115,000	8,000	92,000	12,000	D	D	D	D	66,000	10,000
Female	97,000	18,000	204,000	19,000	D	D	D	D	D	D	D	D	92,000	7,000
Other engineering	120,000	1,500	160,000	3,000	123,000	7,000	107,000	4,000	79,000	4,500	D	D	80,000	5,500
Male	120,000	4,000	155,000	6,500	122,000	8,500	109,000	3,500	79,000	6,500	D	D	85,000	11,500
Female	106,000	4,000	165,000	7,000	122,000	8,000	100,000	6,000	79,000	20,000	D	D	71,000	2,000
Health	107,000	2,500	155,000	9,000	104,000	3,500	92,000	4,000	76,000	20,000	D	D	82,000	11,500
Male	109,000	5,000	166,000	11,500	100,000	3,500	86,000	7,500	95,000	28,500	D	D	65,000	3,500
Female	105,000	2,500	145,000	6,000	105,000	4,500	94,000	3,500	74,000	8,000	D	D	94,000	7,000

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 salary 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 2023.

Source(s):

National Center for Science and Engineering Statistics, Survey of Doctorate Recipients, 2023.