

TABLE 62

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 tenure status: 2023

(Dollars and SE)

Field of study and sex	All full-time employed		Tenured		Not tenured				Tenure not applicable	
	Median salary	SE	Median salary	SE	On tenure track		Not on tenure track		Median salary	SE
					Median salary	SE	Median salary	SE		
All fields	105,000	1,000	121,000	2,000	98,000	1,000	90,000	500	85,000	1,000
Male	110,000	500	128,000	3,000	99,000	500	92,000	2,000	85,000	1,500
Female	99,000	1,500	113,000	3,000	95,000	1,500	90,000	1,500	83,000	1,500
Science	100,000	1,500	120,000	500	96,000	1,500	87,000	2,000	82,000	2,000
Male	109,000	2,000	125,000	2,500	99,000	1,500	87,000	3,000	83,000	3,000
Female	95,000	1,500	110,000	500	92,000	2,000	86,000	2,000	81,000	2,000
Biological, agricultural, and environmental life sciences	100,000	1,000	130,000	2,500	108,000	2,500	88,000	2,500	75,000	1,000
Male	110,000	1,000	137,000	5,500	110,000	3,500	91,000	4,000	75,000	2,000
Female	93,000	2,000	120,000	1,500	103,000	5,000	85,000	2,500	75,000	2,000
Agricultural and food sciences	103,000	3,500	120,000	5,500	82,000	6,000	89,000	5,500	74,000	3,500
Male	109,000	3,000	129,000	7,500	80,000	10,000	91,000	5,500	78,000	6,000
Female	92,000	3,000	110,000	3,500	82,000	6,500	83,000	4,000	71,000	3,000
Biochemistry and biophysics	109,000	6,000	149,000	10,000	122,000	17,000	80,000	4,000	75,000	7,000
Male	119,000	7,500	151,000	12,500	146,000	10,500	79,000	5,500	75,000	12,000
Female	91,000	3,000	123,000	22,500	105,000	10,000	83,000	5,000	75,000	10,500
Cell, cellular biology, and molecular biology	100,000	5,000	130,000	9,000	109,000	8,000	99,000	9,500	85,000	4,000
Male	109,000	4,500	136,000	14,500	110,000	8,500	98,000	13,000	85,000	4,000
Female	96,000	5,500	125,000	11,000	100,000	19,000	98,000	9,500	80,000	8,500
Microbiological sciences and immunology	100,000	3,500	142,000	9,500	109,000	7,500	87,000	5,000	76,000	3,500
Male	116,000	7,000	160,000	12,500	111,000	11,000	101,000	11,500	79,000	5,000
Female	89,000	4,000	119,000	7,000	100,000	13,000	84,000	5,000	72,000	6,000
Natural resources and conservation	90,000	3,000	110,000	4,500	85,000	4,500	82,000	4,500	74,000	6,000
Male	90,000	5,500	114,000	6,500	83,000	5,500	75,000	7,000	79,000	8,000
Female	89,000	3,500	107,000	5,000	88,000	8,000	88,000	5,500	68,000	6,000
Zoology	92,000	4,000	104,000	4,500	88,000	5,500	83,000	1,500	65,000	2,500
Male	99,000	4,500	106,000	6,000	88,000	17,500	80,000	5,500	74,000	14,000
Female	84,000	2,000	99,000	6,000	88,000	8,000	83,000	3,000	65,000	1,000
Other biological sciences	100,000	2,500	130,000	5,500	112,000	3,000	89,000	2,000	73,000	2,500
Male	110,000	2,000	138,000	7,500	117,000	4,000	100,000	7,500	72,000	3,000
Female	94,000	2,000	125,000	6,500	109,000	3,500	85,000	4,500	75,000	3,000
Computer and information sciences	119,000	2,500	145,000	10,000	105,000	3,000	100,000	6,500	100,000	6,000
Male	121,000	3,000	149,000	9,000	105,000	4,000	105,000	15,000	100,000	7,500
Female	107,000	6,000	116,000	17,000	104,000	7,000	100,000	5,500	100,000	16,500
Mathematics and statistics	99,000	1,000	109,000	3,000	91,000	3,500	78,000	3,000	73,000	4,000

TABLE 62

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 tenure status: 2023

(Dollars and SE)

Field of study and sex	All full-time employed		Tenured		Not tenured				Tenure not applicable	
	Median salary	SE	Median salary	SE	On tenure track		Not on tenure track		Median salary	SE
					Median salary	SE	Median salary	SE		
Male	100,000	2,000	114,000	5,000	90,000	5,000	76,000	2,500	73,000	4,500
Female	90,000	2,000	98,000	3,500	91,000	6,000	80,000	10,000	72,000	6,500
Physical sciences, geosciences, atmospheric sciences, and ocean sciences	100,000	1,500	119,000	3,500	90,000	2,000	84,000	5,000	80,000	3,000
Male	102,000	3,500	120,000	2,000	90,000	3,500	84,000	4,000	85,000	3,500
Female	90,000	1,500	109,000	5,500	89,000	3,500	75,000	5,500	74,000	3,500
Astronomy and astrophysics	100,000	4,000	125,000	6,000	96,000	6,000	93,000	6,500	75,000	6,000
Male	100,000	6,500	125,000	8,500	91,000	12,000	93,000	8,500	79,000	12,500
Female	97,000	5,000	123,000	10,000	100,000	10,500	91,000	7,000	73,000	4,000
Chemistry, except biochemistry	89,000	2,000	110,000	9,500	83,000	6,000	73,000	2,500	76,000	4,000
Male	95,000	3,500	115,000	4,500	80,000	8,500	76,000	3,000	79,000	5,000
Female	83,000	2,500	90,000	3,000	85,000	10,500	70,000	2,000	69,000	6,000
Geosciences, atmospheric sciences, and ocean sciences	100,000	2,000	120,000	4,000	85,000	3,000	85,000	7,500	86,000	4,000
Male	102,000	3,500	119,000	3,000	85,000	5,000	87,000	11,000	90,000	3,500
Female	91,000	2,500	116,000	7,000	85,000	3,500	77,000	9,500	80,000	4,000
Physics	115,000	6,500	132,000	8,500	102,000	8,000	95,000	10,500	84,000	7,500
Male	116,000	6,500	137,000	9,500	105,000	11,500	90,000	8,000	86,000	9,500
Female	110,000	12,500	129,000	3,500	97,000	9,000	136,000	37,000	70,000	7,000
Psychology	100,000	1,500	109,000	1,000	83,000	3,000	97,000	6,000	96,000	3,000
Male	105,000	3,000	118,000	5,000	81,000	4,500	81,000	18,500	94,000	4,000
Female	100,000	1,000	103,000	4,000	84,000	5,500	98,000	4,500	97,000	3,500
Social sciences	102,000	2,000	117,000	3,500	90,000	2,000	79,000	1,500	87,000	4,000
Male	110,000	1,500	121,000	4,500	93,000	4,000	79,000	4,000	90,000	5,500
Female	98,000	2,000	109,000	2,000	85,000	2,000	79,000	2,000	84,000	2,000
Economics	130,000	4,000	148,000	8,000	128,000	7,500	99,000	10,500	99,000	8,000
Male	139,000	6,000	156,000	12,500	128,000	9,500	109,000	11,500	103,000	11,000
Female	118,000	4,500	125,000	10,500	128,000	13,000	92,000	9,000	83,000	4,000
Political science and government	101,000	4,000	113,000	5,000	85,000	3,000	74,000	3,000	94,000	5,500
Male	105,000	3,500	112,000	7,500	88,000	4,000	74,000	3,500	98,000	11,000
Female	100,000	3,500	113,000	7,500	81,000	3,000	76,000	5,000	92,000	6,000
Sociology, demography, and population studies	98,000	2,500	104,000	6,000	80,000	3,500	92,000	6,000	84,000	6,500
Male	96,000	3,000	105,000	6,500	80,000	4,500	102,000	11,000	71,000	15,500
Female	98,000	2,500	101,000	6,500	84,000	6,000	81,000	9,000	89,000	12,000
Other social sciences	93,000	2,000	107,000	3,000	79,000	1,500	70,000	2,000	82,000	3,500
Male	95,000	2,500	109,000	2,500	79,000	1,500	66,000	4,000	81,000	8,000

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(Dollars and SE)

Field of study and sex	All full-time employed		Tenured		Not tenured				Tenure not applicable	
	Median salary	SE	Median salary	SE	On tenure track		Not on tenure track		Median salary	SE
					Median salary	SE	Median salary	SE		
Female	90,000	2,500	104,000	4,000	79,000	2,500	71,000	3,000	82,000	4,000
Engineering	120,000	500	143,000	4,500	103,000	2,500	99,000	2,500	92,000	4,000
Male	120,000	500	141,000	4,000	103,000	2,500	99,000	2,500	94,000	6,500
Female	114,000	5,500	150,000	3,000	102,000	4,000	105,000	9,000	84,000	4,000
Aerospace, aeronautical, and astronautical engineering	126,000	8,500	160,000	26,000	96,000	2,500	91,000	14,500	136,000	22,500
Male	122,000	7,000	176,000	30,000	95,000	2,500	88,000	17,500	112,000	23,500
Female	145,000	6,500	141,000	12,000	106,000	6,000	*	*	151,000	6,500
Chemical engineering	110,000	6,000	149,000	10,000	105,000	3,500	104,000	8,500	66,000	10,500
Male	110,000	9,500	141,000	15,000	104,000	3,500	D	D	65,000	10,000
Female	107,000	8,000	155,000	11,000	104,000	3,500	S	S	72,000	17,000
Civil engineering	115,000	5,000	127,000	9,500	95,000	2,000	86,000	10,000	95,000	8,000
Male	115,000	4,500	120,000	8,500	94,000	3,000	85,000	11,500	100,000	19,000
Female	110,000	7,500	145,000	7,500	95,000	1,500	87,000	21,500	87,000	10,000
Electrical and computer engineering	125,000	4,000	142,000	5,000	107,000	5,000	106,000	13,000	101,000	3,000
Male	120,000	5,000	140,000	4,500	106,000	5,000	100,000	14,500	100,000	3,500
Female	132,000	9,000	168,000	13,500	104,000	9,000	111,000	12,500	114,000	32,000
Mechanical engineering	119,000	1,000	134,000	5,500	100,000	2,000	101,000	16,000	94,000	6,000
Male	120,000	1,500	132,000	5,000	101,000	4,500	109,000	24,500	95,000	6,500
Female	111,000	9,000	140,000	5,000	99,000	1,000	88,000	18,500	90,000	24,000
Metallurgical and materials engineering	97,000	12,000	166,000	16,000	101,000	10,500	79,000	6,000	74,000	10,000
Male	94,000	18,500	165,000	15,000	99,000	9,500	79,000	6,500	66,000	10,500
Female	97,000	18,000	155,000	56,000	D	D	D	D	88,000	7,000
Other engineering	120,000	1,500	147,000	6,500	112,000	3,500	105,000	9,000	85,000	8,000
Male	120,000	4,000	147,000	6,000	113,000	3,000	103,000	7,500	101,000	11,500
Female	106,000	4,000	142,000	14,500	109,000	6,000	112,000	23,500	72,000	5,500
Health	107,000	2,500	120,000	3,000	89,000	1,500	104,000	4,500	102,000	4,000
Male	109,000	5,000	130,000	11,500	80,000	3,000	109,000	11,500	96,000	8,000
Female	105,000	2,500	118,000	4,000	91,000	3,000	103,000	4,000	104,000	5,000

* = 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 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.