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: 2021

(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	99,000	1,000	115,000	1,000	90,000	500	78,000	2,000	80,000	1,500
Male	102,000	1,500	120,000	500	93,000	2,000	77,000	2,500	81,000	2,000
Female	90,000	500	106,000	2,500	85,000	1,500	80,000	2,000	76,000	1,500
Science	95,000	1,000	110,000	1,500	88,000	1,500	75,000	500	77,000	1,500
Male	100,000	500	116,000	2,000	92,000	2,000	75,000	2,000	80,000	1,000
Female	89,000	1,000	105,000	2,000	82,000	1,500	75,000	1,000	75,000	1,500
Biological, agricultural, and environmental life sciences	94,000	2,000	120,000	2,500	95,000	1,500	72,000	3,500	70,000	500
Male	100,000	1,500	124,000	4,500	100,000	1,500	72,000	3,000	70,000	3,000
Female	85,000	1,500	116,000	5,500	86,000	3,500	74,000	3,500	69,000	2,000
Agricultural and food sciences	95,000	4,000	118,000	7,500	80,000	1,500	69,000	3,000	69,000	3,000
Male	103,000	3,500	119,000	5,500	83,000	3,500	70,000	6,000	72,000	13,000
Female	78,000	4,000	110,000	3,000	75,000	3,000	67,000	6,500	61,000	4,500
Biochemistry and biophysics	95,000	4,000	136,000	9,000	97,000	8,000	65,000	5,500	66,000	6,500
Male	101,000	5,000	140,000	14,500	99,000	9,000	63,000	4,000	67,000	10,000
Female	79,000	3,500	108,000	17,500	92,000	21,500	76,000	17,000	65,000	6,000
Cell, cellular biology, and molecular biology	91,000	4,500	131,000	10,500	94,000	6,000	79,000	6,000	70,000	4,500
Male	100,000	4,500	136,000	17,000	102,000	4,000	85,000	2,500	74,000	8,500
Female	80,000	4,500	130,000	13,000	76,000	9,000	68,000	7,500	67,000	4,500
Microbiological sciences and immunology	95,000	4,500	117,000	7,500	98,000	3,000	79,000	9,500	75,000	5,000
Male	107,000	9,000	132,000	24,000	101,000	6,500	90,000	15,500	81,000	5,500
Female	82,000	5,000	108,000	8,000	75,000	12,500	74,000	8,500	70,000	5,000
Natural resources and conservation	83,000	3,500	100,000	2,500	83,000	3,000	71,000	4,500	67,000	5,000
Male	86,000	6,000	102,000	4,000	80,000	6,500	72,000	5,000	67,000	6,000
Female	80,000	3,500	89,000	6,500	84,000	3,000	67,000	8,500	65,000	4,000
Zoology	94,000	6,000	105,000	7,500	81,000	8,000	75,000	8,500	60,000	3,000
Male	103,000	4,000	116,000	13,500	82,000	17,000	80,000	11,500	74,000	13,000
Female	75,000	5,500	97,000	9,000	79,000	8,000	66,000	6,000	59,000	2,500
Other biological sciences	94,000	2,500	121,000	6,000	100,000	2,500	72,000	3,500	70,000	2,000
Male	100,000	1,500	125,000	6,500	104,000	3,000	70,000	2,500	70,000	5,000
Female	88,000	2,000	120,000	4,500	89,000	5,000	76,000	2,000	71,000	2,500
Computer and information sciences	110,000	2,500	130,000	6,500	99,000	500	93,000	5,500	95,000	5,500
Male	110,000	4,000	135,000	5,000	100,000	2,000	99,000	11,500	94,000	5,000
Female	100,000	3,000	110,000	6,500	96,000	5,500	88,000	7,500	97,000	8,000
Mathematics and statistics	92,000	2,500	101,000	3,000	87,000	4,500	70,000	1,000	72,000	4,500
Male	95,000	2,500	105,000	2,000	87,000	4,500	70,000	2,000	72,000	5,500
Female	87,000	3,500	92,000	6,000	84,000	8,500	74,000	3,500	72,000	6,500
Physical sciences, geosciences, atmospheric sciences, and ocean sciences	91,000	2,000	110,000	2,000	82,000	2,500	74,000	3,000	75,000	3,500
Male	96,000	2,500	110,000	2,000	83,000	3,500	75,000	4,000	79,000	5,500
Female	82,000	1,500	101,000	3,500	79,000	3,000	72,000	5,000	67,000	3,500
Astronomy and astrophysics	89,000	5,500	119,000	9,000	82,000	6,000	72,000	7,500	69,000	5,000
Male	90,000	7,500	119,000	14,000	75,000	9,000	73,000	13,500	61,000	10,000
Female	83,000	5,500	124,000	8,500	91,000	8,000	70,000	4,000	72,000	5,500

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: 2021

(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
Chemistry, except biochemistry	85,000	3,000	100,000	2,000	76,000	4,000	67,000	5,500	66,000	2,500
Male	91,000	3,000	104,000	4,500	78,000	5,000	74,000	7,500	69,000	6,500
Female	79,000	4,000	89,000	3,000	71,000	5,500	61,000	5,000	60,000	3,500
Geosciences, atmospheric sciences, and ocean sciences	90,000	2,000	110,000	4,500	76,000	2,500	76,000	3,000	76,000	3,000
Male	96,000	3,500	110,000	5,000	74,000	3,500	81,000	5,000	81,000	4,500
Female	82,000	3,000	113,000	5,500	77,000	5,000	71,000	8,000	73,000	4,500
Physics	101,000	4,500	119,000	6,000	92,000	5,000	74,000	4,500	89,000	9,500
Male	104,000	5,500	119,000	7,000	98,000	6,000	70,000	3,500	95,000	11,000
Female	95,000	6,000	110,000	8,500	80,000	5,000	86,000	29,500	73,000	11,000
Psychology	95,000	2,000	105,000	3,000	76,000	3,500	84,000	4,500	90,000	3,000
Male	100,000	500	111,000	3,000	73,000	4,000	99,000	10,000	89,000	3,000
Female	92,000	2,000	100,000	1,500	78,000	4,000	82,000	2,500	92,000	4,000
Social sciences	98,000	2,000	110,000	500	84,000	2,500	74,000	2,500	84,000	3,000
Male	105,000	2,000	115,000	2,500	88,000	2,500	75,000	5,000	95,000	4,000
Female	90,000	1,500	103,000	3,000	81,000	2,000	72,000	3,000	75,000	4,500
Economics	124,000	5,000	135,000	5,500	109,000	7,000	104,000	14,000	101,000	32,500
Male	129,000	6,000	138,000	10,000	106,000	7,500	115,000	11,000	110,000	30,500
Female	113,000	5,500	125,000	7,000	114,000	7,000	80,000	4,000	71,000	24,000
Political science and government	98,000	4,000	110,000	4,000	82,000	5,000	69,000	5,500	90,000	8,000
Male	100,000	3,500	110,000	5,000	80,000	4,500	65,000	6,000	96,000	8,500
Female	94,000	3,500	110,000	6,000	87,000	6,500	74,000	8,000	80,000	3,000
Sociology, demography, and population studies	90,000	1,000	98,000	4,000	74,000	2,500	71,000	2,500	84,000	14,500
Male	90,000	5,500	99,000	6,000	73,000	3,500	77,000	8,500	98,000	28,500
Female	90,000	2,000	96,000	2,500	74,000	4,500	69,000	4,500	77,000	14,500
Other social sciences	89,000	1,500	101,000	2,500	74,000	1,500	69,000	4,500	78,000	3,000
Male	93,000	3,500	104,000	4,000	77,000	5,000	65,000	5,000	83,000	8,000
Female	85,000	2,500	100,000	2,000	73,000	1,000	70,000	4,000	70,000	3,500
Engineering	109,000	1,500	133,000	4,500	97,000	2,000	87,000	4,500	88,000	5,000
Male	110,000	1,500	132,000	5,000	97,000	2,000	87,000	7,000	90,000	2,000
Female	103,000	3,000	131,000	7,000	98,000	3,500	87,000	4,000	79,000	4,500
Aerospace, aeronautical, and astronautical engineering	114,000	11,500	166,000	15,000	94,000	5,000	83,000	10,000	91,000	10,000
Male	110,000	12,500	167,000	14,000	93,000	5,000	85,000	9,500	89,000	7,000
Female	129,000	10,000	119,000	13,500	*	*	D	D	134,000	21,000
Chemical engineering	118,000	9,500	139,000	11,000	104,000	5,500	84,000	8,500	61,000	6,500
Male	122,000	10,500	139,000	12,500	103,000	9,500	79,000	8,000	63,000	7,000
Female	104,000	13,500	138,000	28,500	103,000	8,000	D	D	56,000	12,000
Civil engineering	103,000	3,000	117,000	7,500	95,000	3,000	77,000	6,000	90,000	6,500
Male	105,000	4,000	114,000	8,000	95,000	6,500	74,000	10,500	94,000	10,500
Female	100,000	3,000	130,000	15,000	96,000	2,000	83,000	11,500	79,000	4,500
Electrical and computer engineering	119,000	4,500	138,000	7,000	100,000	3,000	100,000	6,000	96,000	5,500
Male	117,000	5,500	137,000	7,500	100,000	3,500	100,000	11,000	95,000	6,000
Female	129,000	7,500	139,000	14,000	103,000	23,000	D	D	103,000	11,500
Mechanical engineering	100,000	2,000	119,000	2,000	91,000	1,500	86,000	11,000	79,000	9,000
Male	101,000	5,500	119,000	2,000	90,000	1,500	88,000	8,500	79,000	12,000
Female	94,000	2,500	107,000	19,500	92,000	3,000	65,000	12,000	75,000	7,000

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: 2021

(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
Metallurgical and materials engineering	100,000	5,000	147,000	12,000	100,000	7,000	64,000	11,500	76,000	5,000
Male	99,000	5,500	148,000	12,000	98,000	6,000	66,000	12,500	76,000	6,000
Female	90,000	16,000	110,000	29,000	D	D	59,000	8,000	75,000	6,500
Other engineering	111,000	3,500	140,000	5,500	99,000	2,500	99,000	6,500	89,000	6,500
Male	117,000	5,500	140,000	6,000	98,000	2,500	104,000	8,000	93,000	13,500
Female	100,000	4,500	143,000	17,500	100,000	6,500	87,000	8,000	78,000	10,000
Health	100,000	1,000	116,000	3,500	82,000	1,000	99,000	3,500	89,000	5,000
Male	104,000	6,000	125,000	13,000	77,000	3,000	98,000	5,500	78,000	20,000
Female	98,000	3,000	113,000	4,500	83,000	2,000	100,000	6,000	89,000	3,500

* = suppressed when population estimate < 25. D = suppressed to avoid disclosure of confidential information.

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 2021.

Source(s):
National Center for Science and Engineering Statistics, Survey of Doctorate Recipients, 2021.