

TABLE 50

## Median annual salaries of U.S. residing full-time employed doctoral scientists and engineers, by field of doctorate, ethnicity, race, and sex: 2019

(Dollars)

Field of study	All full-time employed						Hispanic or Latino <sup>a</sup>												Not Hispanic or Latino <sup>b</sup>																							
																			American Indian or Alaska Native						Asian						Black or African American						White					
	Total		Male		Female		Total		Male		Female		Total		Male		Female		Total		Male		Female		Total		Male		Female		Total		Male		Female							
	Median salary	SE	Median salary	SE	Median salary	SE	Median salary	SE	Median salary	SE	Median salary	SE	Median salary	SE	Median salary	SE	Median salary	SE	Median salary	SE	Median salary	SE	Median salary	SE	Median salary	SE	Median salary	SE	Median salary	SE	Median salary	SE	Median salary	SE	Median salary	SE						
All fields	119,000	1,000	127,000	1,500	100,000	500	102,000	2,000	115,000	4,000	90,000	2,000	99,000	4,500	113,000	12,000	89,000	3,500	125,000	1,500	132,000	3,000	110,000	500	100,000	2,000	103,000	3,000	94,000	2,000	117,000	1,500	126,000	1,500	100,000	500	109,000	3,500	114,000	6,000	95,000	5,000
Science	110,000	500	120,000	500	99,000	1,500	100,000	500	110,000	3,000	89,000	1,500	94,000	3,000	97,000	7,000	88,000	6,000	120,000	2,000	125,000	2,000	105,000	2,500	95,000	2,000	100,000	1,500	90,000	1,500	110,000	500	120,000	500	98,000	1,500	103,000	3,500	108,000	3,000	93,000	3,000
Biological, agricultural, and environmental life sciences	110,000	1,500	120,000	1,000	99,000	2,000	96,000	4,500	114,000	6,000	85,000	3,000	94,000	6,000	93,000	12,000	87,000	14,500	110,000	1,000	120,000	4,000	100,000	3,500	100,000	2,000	104,000	5,500	91,000	5,000	110,000	500	120,000	500	99,000	2,500	96,000	6,500	100,000	9,000	93,000	11,000
Agricultural and food sciences	110,000	1,000	115,000	3,500	98,000	3,000	108,000	2,000	119,000	9,500	95,000	6,500	D	D	D	D	D	D	100,000	4,000	107,000	8,000	91,000	9,000	100,000	5,500	99,000	6,500	104,000	10,500	112,000	3,000	119,000	2,000	99,000	2,500	109,000	18,500	120,000	10,000	79,000	2,000
Biochemistry and biophysics	117,000	3,500	125,000	4,500	105,000	4,500	112,000	11,500	141,000	22,000	86,000	13,500	D	D	D	D	D	D	110,000	4,000	119,000	6,500	109,000	9,500	93,000	18,500	114,000	12,500	74,000	6,500	119,000	2,500	128,000	5,500	105,000	6,500	110,000	16,500	91,000	21,000	137,000	24,500
Cell, cellular biology, and molecular biology	111,000	4,500	119,000	1,500	99,000	3,500	107,000	12,000	141,000	20,500	78,000	7,000	D	D	D	D	D	D	110,000	8,000	118,000	2,000	95,000	8,500	90,000	7,500	98,000	22,500	84,000	6,500	115,000	5,500	120,000	4,000	102,000	8,000	102,000	17,500	95,000	15,000	114,000	22,000
Microbiological sciences and immunology	110,000	3,000	124,000	5,500	100,000	2,000	94,000	7,500	114,000	15,500	87,000	4,000	D	D	D	D	D	D	121,000	6,500	129,000	8,000	112,000	16,500	103,000	3,000	109,000	8,000	99,000	6,000	109,000	3,000	124,000	5,500	99,000	2,500	94,000	9,000	90,000	12,500	95,000	9,000
Natural resources and conservation	97,000	2,500	101,000	3,000	85,000	3,000	87,000	3,500	101,000	13,500	76,000	7,000	*	*	*	*	D	D	89,000	5,000	84,000	9,000	93,000	5,000	88,000	9,000	89,000	14,500	85,000	10,500	100,000	2,000	105,000	4,000	83,000	3,500	93,000	12,500	129,000	53,000	67,000	12,500
Zoology	96,000	4,500	103,000	4,000	77,000	3,000	80,000	12,000	80,000	10,500	85,000	16,500	D	D	D	D	D	D	84,000	14,000	84,000	16,000	73,000	14,000	109,000	16,500	105,000	30,500	D	D	99,000	3,000	104,000	2,500	76,000	3,500	57,000	17,500	D	D	D	D
Other biological sciences	107,000	2,500	119,000	500	99,000	2,500	93,000	3,000	104,000	7,500	82,000	3,500	101,000	22,000	D	D	102,000	31,000	110,000	1,500	119,000	4,500	104,000	4,500	100,000	4,000	104,000	6,500	94,000	5,500	108,000	3,000	120,000	1,000	98,000	3,000	93,000	8,000	99,000	11,000	87,000	10,000
Computer and information sciences	150,000	3,000	158,000	4,500	125,000	6,000	135,000	5,000	137,000	11,000	114,000	21,000	D	D	D	D	D	D	160,000	3,000	165,000	9,000	136,000	14,000	108,000	4,000	110,000	15,500	106,000	4,000	150,000	2,000	150,000	2,000	119,000	5,000	151,000	19,000	151,000	22,000	147,000	40,500
Mathematics and statistics	114,000	3,500	117,000	3,500	101,000	4,000	100,000	11,500	109,000	14,000	83,000	4,500	D	D	D	D	D	D	124,000	6,500	124,000	10,000	121,000	7,500	97,000	9,500	98,000	9,500	92,000	18,500	108,000	3,500	113,000	4,000	95,000	5,000	102,000	15,000	102,000	11,500	118,000	34,000
Physical sciences, geosciences, atmospheric sciences, and ocean sciences	120,000	500	125,000	1,500	103,000	2,500	102,000	5,000	109,000	8,500	90,000	5,000	102,000	15,500	109,000	20,000	*	*	119,000	2,500	120,000	3,000	107,000	4,000	95,000	3,000	95,000	3,000	98,000	14,000	120,000	2,000	128,000	2,500	103,000	3,000	109,000	5,500	110,000	8,500	93,000	23,000
Astronomy and astrophysics	110,000	6,500	119,000	8,000	97,000	8,500	103,000	12,500	103,000	11,000	101,000	27,000	D	D	D	D	D	D	103,000	17,500	116,000	23,500	69,000	16,000	98,000	39,000	82,000	34,500	D	D	112,000	8,000	119,000	7,500	100,000	10,000	116,000	14,000	D	D		
Chemistry, except biochemistry	119,000	2,000	125,000	3,500	104,000	3,500	101,000	3,000	108,000	5,000	94,000	5,500	D	D	S	S	D	D	113,000	4,000	119,000	4,000	104,000	5,000	94,000	3,000	93,000	3,500	98,000	17,500	121,000	3,000	128,000	2,500	104,000	3,500	106,000	11,500	95,000	14,500	128,000	16,000
Geosciences, atmospheric sciences, and ocean sciences	105,000	2,000	109,000	1,000	97,000	3,000	89,000	5,000	95,000	4,000	74,000	3,500	*	*	*	*	D	D	104,000	4,500	109,000	7,000	97,000	2,500	90,000	6,000	90,000	5,500	96,000	20,000	107,000	2,500	110,000	2,000	98,000	3,500	97,000	10,500	105,000	7,500	84,000	3,500
Physics	130,000	1,000	130,000	3,500	116,000	6,000	119,000	8,000	122,000	8,500	S	S	D	D	D	D	D	D	129,000	6,000	128,000	5,500	130,000	13,000	115,000	8,500	115,000	9,500	S	S	130,000	3,000	134,000	5,500	110,000	10,000	129,000	12,500	137,000	9,500	78,000	35,000
Psychology	101,000	1,500	115,000	3,000	98,000	1,000	99,000	3,000	106,000	6,500	92,000	5,500	100,000	8,000	106,000	34,500	99,000	3,000	98,000	3,000	127,000	18,500	95,000	3,500	93,000	4,000	104,000	13,500	89,000	1,000	103,000	1,500	115,000	3,500	99,000	1,000	101,000	7,000	115,000	4,500	93,000	3,000
Social sciences	101,000	2,000	110,000	1,500	92,000	2,500	95,000	4,000	100,000	8,000	88,000	3,500	83,000	10,000	94,000	13,000	74,000	7,500	110,000	3,000	115,000	7,000	104,000	4,500	92,000	2,000	94,000	5,500	89,000	3,500	103,000	2,500	114,000	5,000	90,000	2,000	96,000	7,000	100,000	8,000	86,000	7,500
Economics	135,000	4,000	140,000	5,000	124,000	6,000	135,000	11,000	139,000	12,000	102,000	15,000	D	D	D	D	D	D	129,000	2,000	137,000	13,000	120,000	10,000	103,000	7,500	100,000	6,000	124,000	10,500	140,000	2,500	144,000	7,500	125,000	5,000	165,000	16,000	182,000	74,500	164,000	10,500

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(Dollars)

Field of study	All full-time employed						Hispanic or Latino <sup>a</sup>												Not Hispanic or Latino <sup>b</sup>																							
																			American Indian or Alaska Native						Asian						Black or African American						White					
	Total		Male		Female		Total		Male		Female		Total		Male		Female		Total		Male		Female		Total		Male		Female		Total		Male		Female							
	Median salary	SE	Median salary	SE	Median salary	SE	Median salary	SE	Median salary	SE	Median salary	SE	Median salary	SE	Median salary	SE	Median salary	SE	Median salary	SE	Median salary	SE	Median salary	SE	Median salary	SE	Median salary	SE	Median salary	SE	Median salary	SE	Median salary	SE	Median salary	SE						
Political science and government	103,000	4,000	105,000	3,000	96,000	4,500	95,000	9,000	95,000	10,000	89,000	17,500	D	D	D	D	D	D	95,000	6,000	78,000	9,000	108,000	10,500	83,000	7,000	79,000	9,000	89,000	7,500	105,000	2,500	110,000	5,000	94,000	6,000	104,000	28,000	109,000	42,500	87,000	8,000
Sociology, demography, and population studies	90,000	2,000	99,000	3,000	88,000	2,500	90,000	11,000	87,000	1,500	104,000	7,500	D	D	D	D	D	D	90,000	3,500	107,000	21,500	85,000	4,000	93,000	3,500	107,000	18,500	88,000	4,500	91,000	3,500	100,000	4,500	87,000	3,000	78,000	2,500	77,000	3,500	80,000	4,500
Other social sciences	90,000	500	95,000	500	85,000	1,500	80,000	3,000	83,000	6,000	79,000	5,000	71,000	12,000	69,000	25,000	74,000	11,000	94,000	2,500	95,000	6,000	89,000	6,000	87,000	4,000	95,000	5,000	81,000	3,500	90,000	1,000	95,000	1,500	85,000	2,000	80,000	6,500	95,000	13,000	79,000	4,000
Engineering	137,000	2,000	140,000	500	120,000	2,000	120,000	4,500	125,000	4,500	109,000	4,000	140,000	13,500	146,000	12,500	D	D	139,000	2,500	139,000	500	125,000	3,000	116,000	5,500	112,000	6,000	129,000	6,000	140,000	2,000	141,000	2,500	119,000	1,500	137,000	9,500	139,000	12,000	129,000	12,000
Aerospace, aeronautical, and astronautical engineering	137,000	4,500	139,000	7,000	128,000	3,000	112,000	10,500	118,000	17,500	108,000	10,500	D	D	D	D	D	D	130,000	8,500	130,000	8,500	129,000	15,500	115,000	17,500	105,000	28,500	*	*	145,000	5,500	148,000	4,500	128,000	2,500	151,000	26,000	D	D	D	D
Chemical engineering	139,000	4,000	140,000	1,500	127,000	4,500	124,000	5,500	127,000	13,500	112,000	10,500	D	D	D	D	D	D	139,000	6,000	139,000	3,500	128,000	8,000	137,000	15,000	127,000	34,500	137,000	16,000	137,000	3,000	140,000	3,000	123,000	7,000	162,000	16,000	168,000	23,000	D	D
Civil engineering	119,000	4,500	120,000	2,000	105,000	5,500	108,000	8,000	108,000	8,500	102,000	19,500	D	D	D	D	D	D	110,000	11,000	119,000	10,500	93,000	11,500	99,000	15,000	97,000	16,500	110,000	10,500	120,000	3,500	128,000	7,000	109,000	5,000	90,000	13,500	89,000	13,000	D	D
Electrical and computer engineering	150,000	2,000	153,000	4,500	140,000	1,000	139,000	5,000	139,000	4,500	125,000	17,000	D	D	S	S	D	D	150,000	4,500	155,000	6,500	140,000	6,500	144,000	7,500	143,000	7,500	188,000	64,500	150,000	3,500	155,000	6,000	130,000	7,000	130,000	27,500	129,000	25,500	D	D
Mechanical engineering	130,000	2,000	130,000	1,500	113,000	5,000	120,000	12,000	122,000	14,000	D	D	S	S	D	D	D	D	130,000	3,000	130,000	5,000	113,000	6,000	103,000	7,500	98,000	13,000	D	D	128,000	4,000	130,000	3,500	113,000	3,500	144,000	24,500	142,000	28,500	D	D
Industrial engineers	134,000	3,500	138,000	3,500	119,000	3,500	123,000	6,500	125,000	8,500	120,000	9,500	D	D	D	D	D	D	129,000	6,000	138,000	7,500	110,000	10,000	122,000	18,500	124,000	19,500	D	D	138,000	3,000	140,000	4,000	126,000	10,000	119,000	6,500	117,000	9,500	D	D
Other engineering	130,000	500	133,000	3,500	119,000	3,500	109,000	7,000	119,000	7,000	99,000	4,000	156,000	16,500	*	*	D	D	129,000	2,000	130,000	1,000	120,000	4,000	111,000	6,000	111,000	4,000	116,000	13,000	133,000	3,500	139,000	3,500	119,000	5,500	129,000	9,000	142,000	13,500	110,000	14,500
Health	110,000	1,500	125,000	4,000	103,000	2,500	99,000	5,000	113,000	8,000	90,000	9,000	93,000	10,000	D	D	S	S	110,000	5,000	121,000	6,000	100,000	3,000	100,000	2,000	109,000	9,500	99,000	2,500	113,000	3,500	130,000	5,500	106,000	3,000	100,000	19,000	120,000	26,500	95,000	13,500

\* = 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.

<sup>a</sup> Hispanic or Latino may be of any race.

<sup>b</sup> American Indian or Alaska Native, Asian, Black or African American, and White are single race.

<sup>c</sup> Other race includes Native Hawaiian or Other Pacific Islander and persons reporting more than one race who are not of Hispanic or Latino ethnicity.

**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. 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.