

TABLE 54

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

(Dollars)

Field of study	All full-time employed		4-year educational institution <sup>a</sup>		Other educational institution <sup>b</sup>		Private, for profit <sup>c</sup>		Private, nonprofit		Federal government		State or local government		Self-employed <sup>d</sup>		Other <sup>e</sup>	
	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	95,000	500	76,000	1,500	150,000	500	119,000	500	126,000	1,500	98,000	2,500	100,000	500	132,000	5,500
Science	110,000	500	92,000	1,000	77,000	1,500	145,000	1,000	115,000	2,500	125,000	500	94,000	2,500	100,000	1,500	128,000	4,000
Biological, agricultural, and environmental life sciences	110,000	1,500	90,000	500	73,000	3,000	137,000	3,000	111,000	4,500	120,000	2,500	85,000	4,500	96,000	9,500	109,000	9,500
Agricultural and food sciences	110,000	1,000	95,000	1,500	63,000	15,500	129,000	3,500	109,000	8,000	125,000	3,500	81,000	5,000	104,000	36,000	101,000	20,500
Biochemistry and biophysics	117,000	3,500	92,000	6,000	72,000	8,500	140,000	3,500	148,000	18,000	120,000	7,500	107,000	18,000	90,000	36,500	63,000	19,000
Cell, cellular biology, and molecular biology	111,000	4,500	88,000	4,000	84,000	12,500	135,000	3,500	110,000	9,500	137,000	11,500	107,000	41,500	218,000	95,500	70,000	27,500
Microbiological sciences and immunology	110,000	3,000	86,000	3,000	82,000	4,500	139,000	5,000	100,000	9,500	118,000	6,000	73,000	29,500	S	S	123,000	36,500
Natural resources and conservation	97,000	2,500	83,000	3,500	71,000	4,500	117,000	9,000	114,000	11,000	115,000	5,500	79,000	2,000	72,000	11,500	130,000	21,500
Zoology	96,000	4,500	90,000	5,000	63,000	7,000	121,000	7,000	69,000	10,000	119,000	7,000	68,000	11,500	67,000	26,500	S	S
Other biological sciences	107,000	2,500	90,000	500	70,000	2,500	144,000	4,500	110,000	7,000	119,000	1,500	87,000	5,500	85,000	12,500	119,000	14,500
Computer and information sciences	150,000	3,000	109,000	3,500	72,000	7,500	180,000	2,000	137,000	13,500	135,000	7,000	108,000	15,500	88,000	21,500	157,000	22,500
Mathematics and statistics	114,000	3,500	90,000	1,000	76,000	4,500	159,000	3,000	149,000	5,500	142,000	8,000	S	S	167,000	81,000	157,000	18,500
Physical sciences, geosciences, atmospheric sciences, and ocean sciences	120,000	500	90,000	500	70,000	2,500	143,000	3,500	127,000	5,500	134,000	4,500	99,000	6,000	82,000	16,000	124,000	8,000
Astronomy and astrophysics	110,000	6,500	90,000	5,500	91,000	8,000	153,000	7,500	133,000	16,000	136,000	9,500	D	D	D	D	106,000	49,000
Chemistry, except biochemistry	119,000	2,000	84,000	2,000	70,000	1,500	136,000	4,500	119,000	11,500	130,000	4,500	86,000	14,000	92,000	23,000	118,000	21,500
Geosciences, atmospheric sciences, and ocean sciences	105,000	2,000	90,000	1,000	73,000	5,000	140,000	4,500	105,000	4,000	124,000	5,500	84,000	7,500	52,000	24,000	122,000	13,500
Physics	130,000	1,000	100,000	2,500	69,000	7,500	150,000	500	139,000	9,000	145,000	6,000	144,000	11,500	78,000	21,500	129,000	17,000
Psychology	101,000	1,500	92,000	2,000	88,000	3,000	120,000	5,000	105,000	1,500	114,000	2,000	98,000	3,000	107,000	6,000	116,000	10,000
Social sciences	101,000	2,000	95,000	500	77,000	2,000	150,000	5,500	119,000	6,000	143,000	5,500	90,000	5,000	98,000	6,500	156,000	25,000
Economics	135,000	4,000	119,000	3,000	101,000	23,500	179,000	6,000	159,000	14,000	152,000	2,500	92,000	12,000	110,000	31,000	188,000	20,500
Political science and government	103,000	4,000	95,000	3,000	80,000	18,000	148,000	9,500	133,000	7,000	141,000	6,500	87,000	20,500	119,000	50,000	111,000	24,000
Sociology, demography, and population studies	90,000	2,000	87,000	2,000	69,000	4,000	125,000	13,000	120,000	15,000	133,000	8,500	83,000	14,000	82,000	25,500	S	S
Other social sciences	90,000	500	85,000	2,000	76,000	3,000	127,000	7,000	90,000	4,500	129,000	9,000	82,000	4,500	84,000	14,000	105,000	12,500
Engineering	137,000	2,000	108,000	2,000	63,000	8,000	150,000	500	134,000	5,500	130,000	2,500	114,000	7,500	98,000	9,000	139,000	4,500
Aerospace, aeronautical, and astronautical engineering	137,000	4,500	107,000	9,500	S	S	149,000	4,500	149,000	11,500	144,000	9,000	D	D	148,000	25,500	D	D
Chemical engineering	139,000	4,000	106,000	7,500	58,000	4,500	149,000	3,500	149,000	22,500	128,000	10,000	D	D	84,000	8,000	122,000	10,000
Civil engineering	119,000	4,500	105,000	4,500	S	S	138,000	7,000	116,000	12,000	119,000	9,500	107,000	7,500	S	S	137,000	26,500
Electrical and computer engineering	150,000	2,000	110,000	6,000	94,000	5,000	160,000	4,000	149,000	6,000	126,000	5,500	108,000	21,000	78,000	4,500	171,000	12,000

TABLE 54

**Median annual salaries of U.S. residing full-time employed doctoral scientists and engineers, by field of doctorate and sector of employment: 2019**

(Dollars)

Field of study	All full-time employed		4-year educational institution <sup>a</sup>		Other educational institution <sup>b</sup>		Private, for profit <sup>c</sup>		Private, nonprofit		Federal government		State or local government		Self-employed <sup>d</sup>		Other <sup>e</sup>	
	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
Mechanical engineering	130,000	2,000	104,000	5,500	66,000	13,500	143,000	6,500	119,000	8,500	129,000	5,500	D	D	134,000	41,000	122,000	17,000
Industrial engineers	134,000	3,500	100,000	7,000	S	S	140,000	4,000	133,000	12,000	130,000	5,500	103,000	30,000	S	S	124,000	11,000
Other engineering	130,000	500	105,000	4,000	68,000	5,500	149,000	3,000	125,000	7,000	132,000	4,000	107,000	9,500	132,000	23,500	110,000	12,000
Health	110,000	1,500	97,000	3,000	80,000	8,000	148,000	5,500	135,000	9,500	124,000	4,500	123,000	24,000	80,000	29,500	135,000	15,000

D = suppressed to avoid disclosure of confidential information. S = suppressed for reliability; coefficient of variation exceeds publication standards.

SE = standard error.

<sup>a</sup> Includes 4-year colleges or universities, medical schools (including university-affiliated hospitals or medical centers), and university-affiliated research institutes.<sup>b</sup> Includes 2-year colleges, community colleges, or technical institutes, and other precollege institutions.<sup>c</sup> Includes those self-employed in an incorporated business.<sup>d</sup> Self-employed or business owner in a nonincorporated business.<sup>e</sup> Includes employers not broken out separately.**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.