

TABLE 57-1

Median annual salaries of U.S. residing full-time employed doctoral scientists and engineers, by field of doctorate and primary or secondary work activity: 2019

(Dollars)

Field of study	All full-time employed		Computer applications		Management, sales, or administration ^a		Professional services		Any R&D ^b		Teaching		Other ^c	
	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	139,000	2,500	130,000	1,000	120,000	500	120,000	500	90,000	500	105,000	2,000
Science	110,000	500	134,000	2,000	125,000	500	117,000	2,500	113,000	1,500	89,000	1,000	100,000	500
Biological, agricultural, and environmental life sciences	110,000	1,500	112,000	4,500	122,000	3,000	149,000	4,000	108,000	2,000	88,000	2,000	100,000	2,000
Agricultural and food sciences	110,000	1,000	110,000	5,000	122,000	3,500	98,000	6,500	109,000	3,000	89,000	2,500	99,000	9,000
Biochemistry and biophysics	117,000	3,500	110,000	8,000	134,000	6,000	175,000	14,000	114,000	3,500	90,000	4,500	114,000	13,500
Cell, cellular biology, and molecular biology	111,000	4,500	118,000	22,000	129,000	5,000	177,000	28,000	109,000	4,000	89,000	4,000	94,000	11,000
Microbiological sciences and immunology	110,000	3,000	S	S	120,000	5,000	154,000	9,500	109,000	3,500	93,000	5,000	95,000	7,000
Natural resources and conservation	97,000	2,500	93,000	8,000	104,000	3,500	102,000	10,000	96,000	2,500	79,000	1,500	94,000	5,500
Zoology	96,000	4,500	102,000	17,000	108,000	3,500	75,000	12,000	100,000	4,000	80,000	5,500	88,000	7,500
Other biological sciences	107,000	2,500	115,000	4,000	120,000	1,000	145,000	8,000	106,000	3,000	88,000	2,500	104,000	4,000
Computer and information sciences	150,000	3,000	160,000	4,500	175,000	5,000	141,000	15,000	150,000	3,000	100,000	2,000	120,000	15,000
Mathematics and statistics	114,000	3,500	140,000	2,500	135,000	6,000	157,000	26,500	120,000	4,000	85,000	2,000	90,000	3,500
Physical sciences, geosciences, atmospheric sciences, and ocean sciences	120,000	500	125,000	4,500	138,000	3,500	143,000	10,500	120,000	1,000	84,000	1,500	109,000	3,000
Astronomy and astrophysics	110,000	6,500	120,000	7,500	139,000	8,500	194,000	41,500	114,000	8,500	88,000	5,000	104,000	9,500
Chemistry, except biochemistry	119,000	2,000	120,000	7,500	135,000	3,500	142,000	14,500	120,000	500	79,000	2,500	105,000	5,500
Geosciences, atmospheric sciences, and ocean sciences	105,000	2,000	104,000	4,500	119,000	2,500	108,000	9,500	106,000	3,000	87,000	2,500	100,000	4,000
Physics	130,000	1,000	139,000	5,500	153,000	5,500	164,000	15,500	130,000	1,000	91,000	2,500	119,000	5,000
Psychology	101,000	1,500	120,000	10,000	108,000	3,000	102,000	1,500	104,000	2,000	89,000	1,500	99,000	2,000
Social sciences	101,000	2,000	120,000	6,000	125,000	3,500	129,000	5,500	105,000	1,000	90,000	1,000	90,000	2,500
Economics	135,000	4,000	130,000	5,000	169,000	6,000	180,000	9,000	134,000	5,000	109,000	2,500	118,000	17,500
Political science and government	103,000	4,000	101,000	13,000	124,000	6,000	110,000	22,000	105,000	3,000	90,000	4,000	84,000	6,000
Sociology, demography, and population studies	90,000	2,000	101,000	16,000	114,000	10,000	92,000	7,000	93,000	4,000	85,000	2,500	82,000	6,000
Other social sciences	90,000	500	118,000	7,000	99,000	1,500	103,000	5,500	90,000	2,500	81,000	1,500	84,000	4,000
Engineering	137,000	2,000	145,000	4,000	150,000	500	148,000	5,000	135,000	1,000	104,000	1,500	130,000	4,000
Aerospace, aeronautical, and astronautical engineering	137,000	4,500	135,000	5,500	157,000	9,500	148,000	10,500	135,000	4,000	105,000	8,000	135,000	27,500
Chemical engineering	139,000	4,000	131,000	12,500	150,000	1,500	145,000	17,500	135,000	4,000	104,000	4,000	133,000	7,500
Civil engineering	119,000	4,500	110,000	10,000	138,000	7,500	115,000	6,000	110,000	3,000	100,000	2,500	120,000	7,500
Electrical and computer engineering	150,000	2,000	159,000	5,500	175,000	6,000	182,000	4,000	150,000	500	107,000	2,500	136,000	3,500
Mechanical engineering	130,000	2,000	134,000	4,500	143,000	5,500	151,000	25,000	130,000	1,000	99,000	6,500	133,000	10,500

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Median annual salaries of U.S. residing full-time employed doctoral scientists and engineers, by field of doctorate and primary or secondary work activity: 2019

(Dollars)

Field of study	All full-time employed		Computer applications		Management, sales, or administration ^a		Professional services		Any R&D ^b		Teaching		Other ^c	
	Median salary	SE	Median salary	SE	Median salary	SE	Median salary	SE	Median salary	SE	Median salary	SE	Median salary	SE
Industrial engineers	134,000	3,500	145,000	9,000	147,000	5,000	150,000	27,000	130,000	4,500	108,000	8,000	125,000	6,000
Other engineering	130,000	500	130,000	3,000	145,000	4,500	153,000	10,500	128,000	3,000	103,000	3,500	129,000	4,500
Health	110,000	1,500	109,000	10,000	130,000	3,000	120,000	4,000	109,000	2,000	93,000	3,000	102,000	4,500

S = suppressed for reliability; coefficient of variation exceeds publication standards.

SE = standard error.

^a Administration includes accounting, finance, contracts, and human resources.^b R&D includes applied and basic research, design, and development.^c Includes production, operations, maintenance, and other activities 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. Primary and secondary work activities were self-defined by respondent in response to the question: "On which two activities...did you work the most hours during a typical week on this job?" If respondent reported more than one category of activity as primary or secondary work activity, respondent's salary appears in both categories. 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.