

TABLE 73-1

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

(Dollars)

Occupation	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 occupations	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 occupations	106,000	1,500	137,000	3,000	117,000	2,500	106,000	2,000	110,000	500	87,000	1,000	96,000	1,500
Biological, agricultural, and other life scientist	100,000	500	84,000	7,000	114,000	2,500	119,000	3,500	102,000	2,000	85,000	1,000	96,000	2,500
Agricultural, food scientist	109,000	2,500	94,000	26,500	115,000	4,500	109,000	15,500	108,000	3,000	94,000	3,000	100,000	4,000
Biochemists, biophysicist	100,000	4,000	68,000	10,500	119,000	5,500	93,000	7,500	100,000	4,500	89,000	13,500	85,000	5,500
Biological scientist	90,000	2,000	70,000	5,000	100,000	1,000	88,000	13,000	89,000	2,000	88,000	4,000	95,000	5,500
Forestry, conservation scientist	98,000	5,500	73,000	19,000	104,000	6,500	67,000	28,000	99,000	3,000	77,000	3,000	80,000	11,500
Medical scientist	119,000	1,000	104,000	6,500	127,000	3,500	142,000	11,000	117,000	3,000	141,000	10,000	119,000	7,500
Postsecondary teachers, agricultural, other natural sciences	90,000	2,000	S	S	90,000	5,000	94,000	12,000	97,000	4,000	85,000	4,000	82,000	7,500
Postsecondary teachers, biological sciences	89,000	2,000	108,000	4,000	99,000	2,500	120,000	54,000	99,000	2,000	82,000	2,000	71,000	4,000
Other biological, agricultural, life scientist	109,000	2,500	99,000	13,500	117,000	4,000	116,000	11,000	105,000	4,500	121,000	32,000	111,000	3,500
Computer and information scientist	149,000	2,000	149,000	500	157,000	4,500	125,000	7,000	149,000	500	102,000	4,000	133,000	7,000
Computer and information scientist	153,000	2,500	150,000	500	169,000	6,000	129,000	8,000	154,000	3,000	129,000	6,500	143,000	10,000
Postsecondary teachers, computer science	101,000	3,500	91,000	7,500	99,000	3,500	D	D	110,000	3,000	100,000	1,000	91,000	8,000
Mathematical scientist	114,000	2,500	138,000	5,500	130,000	6,500	142,000	13,000	120,000	2,500	85,000	1,500	90,000	3,000
Mathematical scientist	140,000	3,500	140,000	1,500	150,000	7,000	146,000	12,000	140,000	1,500	97,000	4,500	127,000	8,500
Postsecondary teachers, mathematics, statistics	87,000	2,000	84,000	11,000	90,000	2,500	98,000	19,000	90,000	2,500	85,000	1,000	82,000	3,000
Physical scientist	102,000	2,500	100,000	3,500	115,000	4,000	122,000	13,000	110,000	1,000	82,000	2,000	96,000	4,500

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	Median salary	SE	Median salary	SE	Median salary	SE	Median salary	SE	Median salary	SE	Median salary	SE	Median salary	SE
Chemists, except biochemist	120,000	1,500	109,000	11,000	129,000	4,000	136,000	18,000	120,000	2,000	94,000	15,000	105,000	5,000
Earth, atmospheric, ocean scientist	110,000	1,500	98,000	4,000	119,000	6,500	118,000	23,500	110,000	4,000	94,000	6,000	102,000	11,500
Physicists, astronomers	130,000	1,500	100,000	7,000	149,000	5,500	164,000	7,000	129,000	3,500	120,000	18,500	129,000	15,000
Postsecondary teachers, chemistry	80,000	2,000	D	D	84,000	2,000	D	D	85,000	2,500	75,000	2,000	67,000	2,500
Postsecondary teachers, physics	92,000	3,000	74,000	11,000	103,000	6,500	S	S	100,000	2,000	89,000	5,000	71,000	11,000
Postsecondary teachers, other physical science	90,000	1,500	83,000	12,000	105,000	4,000	D	D	90,000	3,000	85,000	4,000	70,000	4,500
Other physical scientist	125,000	4,000	128,000	19,500	125,000	10,000	98,000	24,000	126,000	4,500	103,000	26,500	129,000	17,000
Psychologist	100,000	500	70,000	8,500	100,000	1,000	102,000	2,000	100,000	2,000	86,000	2,000	98,000	3,500
Psychologist	103,000	1,500	73,000	9,000	103,000	2,000	104,000	2,000	104,000	1,500	112,000	5,500	105,000	2,500
Postsecondary teachers, psychology	85,000	1,000	D	D	86,000	3,500	84,000	9,000	90,000	2,000	82,000	1,000	80,000	3,500
Social scientist	99,000	1,500	113,000	8,500	120,000	5,000	126,000	14,500	100,000	1,500	89,000	1,500	85,000	3,000
Economist	149,000	4,000	131,000	14,000	164,000	7,000	177,000	8,000	144,000	6,500	119,000	17,500	149,000	13,500
Political scientist	134,000	10,500	D	D	144,000	7,000	D	D	134,000	10,500	D	D	124,000	17,000
Postsecondary teachers, economics	110,000	3,500	D	D	130,000	7,000	D	D	115,000	3,500	107,000	2,500	94,000	11,500
Postsecondary teachers, political science	88,000	4,500	D	D	100,000	9,500	D	D	95,000	3,000	85,000	4,000	78,000	7,000
Postsecondary teachers, sociology	83,000	2,500	D	D	94,000	9,000	D	D	85,000	2,000	80,000	2,500	73,000	7,500
Postsecondary teachers, other social sciences	84,000	2,000	D	D	92,000	4,500	75,000	7,500	85,000	2,500	82,000	1,500	78,000	4,500
Sociologist, anthropologist	89,000	6,000	D	D	93,000	6,000	86,000	18,500	89,000	6,000	92,000	15,500	82,000	9,500
Other social scientist	106,000	4,500	101,000	7,500	119,000	5,500	137,000	14,500	105,000	4,500	91,000	6,500	106,000	11,000
Engineering occupations	130,000	500	136,000	3,500	140,000	1,000	129,000	5,500	130,000	1,000	105,000	2,000	126,000	3,000

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(Dollars)

Occupation	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
Aerospace, aeronautical, astronautical engineer	149,000	1,500	149,000	6,500	154,000	7,500	S	S	149,000	3,000	109,000	25,000	146,000	17,000
Chemical engineer	137,000	4,500	133,000	40,000	148,000	6,500	D	D	135,000	4,500	103,000	19,500	128,000	5,000
Civil, architectural, sanitary engineer	109,000	5,000	94,000	14,500	124,000	6,000	115,000	11,500	107,000	7,000	100,000	21,500	109,000	12,500
Electrical engineer	149,000	1,000	149,000	2,500	163,000	4,000	165,000	14,000	150,000	500	110,000	6,000	134,000	5,500
Industrial engineers	119,000	3,500	105,000	6,500	121,000	13,000	D	D	118,000	6,000	108,000	15,000	131,000	14,000
Mechanical engineer	129,000	3,500	120,000	15,000	137,000	5,500	130,000	30,500	129,000	4,000	104,000	6,500	133,000	15,000
Postsecondary teacher, engineering	108,000	2,500	99,000	7,000	113,000	6,500	105,000	15,500	109,000	1,500	104,000	2,000	105,000	11,500
Other engineer	130,000	500	126,000	6,000	138,000	4,000	130,000	4,000	130,000	500	124,000	8,000	121,000	3,000
S&E-related occupations	130,000	500	140,000	4,500	150,000	500	150,000	6,000	130,000	1,500	94,000	2,000	109,000	5,500
Health occupations, except postsecondary teachers and managers	139,000	3,500	107,000	33,500	149,000	9,000	150,000	10,000	128,000	6,000	150,000	20,000	113,000	11,000
Postsecondary teacher, health and related science	105,000	2,500	D	D	120,000	6,000	147,000	11,500	105,000	2,000	99,000	2,500	86,000	2,000
S&E managers, including health	164,000	4,000	186,000	16,000	164,000	4,000	175,000	28,500	164,000	4,000	97,000	27,000	149,000	2,000
S&E precollege teachers	63,000	2,500	S	S	64,000	4,500	D	D	73,000	5,500	63,000	2,500	69,000	6,500
S&E technicians/technologists	129,000	3,500	132,000	7,500	135,000	7,000	95,000	14,500	130,000	4,500	132,000	54,000	85,000	28,000
Other S&E-related occupation	132,000	8,500	156,000	10,000	124,000	9,000	115,000	13,500	140,000	15,500	D	D	D	D
Non-S&E occupations	138,000	3,500	146,000	5,000	149,000	500	135,000	5,500	145,000	3,000	93,000	3,000	116,000	5,000
Arts, humanities-related occupation	93,000	3,500	D	D	97,000	6,000	90,000	4,000	98,000	5,000	79,000	12,500	90,000	7,500
Management-related occupation	140,000	5,500	150,000	13,500	142,000	5,000	149,000	5,000	149,000	3,500	118,000	18,000	119,000	9,500
Non S&E managers	179,000	3,500	148,000	8,500	180,000	2,000	173,000	9,500	185,000	6,500	132,000	5,500	170,000	8,500

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	Median salary	SE	Median salary	SE	Median salary	SE	Median salary	SE	Median salary	SE	Median salary	SE	Median salary	SE
Non S&E postsecondary teachers	100,000	2,000	132,000	22,000	100,000	3,000	100,000	27,000	107,000	3,500	95,000	2,500	80,000	6,000
Non S&E precollege/other teachers	68,000	4,000	D	D	76,000	11,000	53,000	26,500	72,000	3,000	67,000	7,500	53,000	7,000
Sales, marketing occupation	120,000	5,000	137,000	22,000	120,000	5,500	125,000	16,500	134,000	9,000	119,000	3,500	132,000	6,000
Social service-related occupation	74,000	5,000	D	D	74,000	6,500	72,000	4,500	79,000	2,500	68,000	11,000	83,000	10,500
Other non-S&E occupation	125,000	6,000	140,000	56,500	124,000	11,000	172,000	14,000	117,000	11,000	69,000	19,500	64,000	9,500

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

S&E = science and engineering; 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 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. Primary and secondary work activities were self-described 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. 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.