

TABLE 73-2

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

(Dollars)

Occupation	All full-time employed		Computer applications		Management, sales, or administration <sup>a</sup>		Professional services		Any R&D <sup>b</sup>		Teaching		Other <sup>c</sup>	
	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	142,000	4,000	145,000	2,500	119,000	500	120,000	500	81,000	1,500	111,000	3,000
Science occupations	106,000	1,500	145,000	3,000	129,000	2,000	105,000	1,000	115,000	500	80,000	500	104,000	2,500
Biological, agricultural, and other life scientist	100,000	500	84,000	11,000	123,000	3,000	123,000	10,500	103,000	2,000	75,000	500	106,000	6,000
Agricultural, food scientist	109,000	2,500	D	D	130,000	6,000	100,000	20,500	107,000	3,500	94,000	3,500	101,000	9,500
Biochemists, biophysicist	100,000	4,000	59,000	10,500	129,000	7,500	D	D	95,000	5,500	D	D	108,000	29,000
Biological scientist	90,000	2,000	64,000	2,500	114,000	6,500	76,000	2,500	87,000	3,000	77,000	5,500	96,000	6,000
Forestry, conservation scientist	98,000	5,500	S	S	101,000	9,500	64,000	12,500	98,000	6,500	74,000	4,000	99,000	20,500
Medical scientist	119,000	1,000	89,000	18,000	129,000	6,000	139,000	15,500	114,000	3,500	124,000	15,500	119,000	8,000
Postsecondary teachers, agricultural, other natural sciences	90,000	2,000	D	D	121,000	22,500	D	D	99,000	5,000	81,000	2,500	117,000	2,500
Postsecondary teachers, biological sciences	89,000	2,000	D	D	119,000	4,000	179,000	8,000	115,000	5,000	72,000	1,500	95,000	8,500
Other biological, agricultural, life scientist	109,000	2,500	116,000	9,500	128,000	4,500	112,000	13,000	99,000	3,000	139,000	29,000	111,000	7,000
Computer and information scientist	149,000	2,000	150,000	500	161,000	9,000	125,000	7,000	150,000	3,500	98,000	4,000	137,000	20,000
Computer and information scientist	153,000	2,500	150,000	500	170,000	7,000	130,000	9,500	158,000	3,500	88,000	10,500	149,000	22,000
Postsecondary teachers, computer science	101,000	3,500	D	D	100,000	10,500	D	D	120,000	4,500	98,000	3,500	73,000	26,000
Mathematical scientist	114,000	2,500	138,000	6,000	146,000	9,000	146,000	20,000	130,000	1,500	80,000	1,000	126,000	17,000
Mathematical scientist	140,000	3,500	139,000	4,500	159,000	7,500	148,000	8,500	140,000	5,000	80,000	8,500	128,000	18,000
Postsecondary teachers, mathematics, statistics	87,000	2,000	D	D	109,000	7,500	D	D	107,000	5,000	80,000	1,500	93,000	11,000
Physical scientist	102,000	2,500	109,000	14,000	129,000	3,500	138,000	13,000	120,000	1,500	75,000	500	99,000	2,000

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Occupation	All full-time employed		Computer applications		Management, sales, or administration <sup>a</sup>		Professional services		Any R&D <sup>b</sup>		Teaching		Other <sup>c</sup>	
	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	99,000	30,500	126,000	4,500	136,000	15,000	120,000	2,000	70,000	13,500	99,000	2,500
Earth, atmospheric, ocean scientist	110,000	1,500	119,000	5,500	143,000	8,000	109,000	17,000	110,000	3,500	91,000	7,500	96,000	6,500
Physicists, astronomers	130,000	1,500	95,000	28,000	158,000	12,500	164,000	9,000	129,000	3,000	65,000	17,000	130,000	17,500
Postsecondary teachers, chemistry	80,000	2,000	D	D	104,000	9,500	D	D	99,000	1,500	70,000	1,500	66,000	29,500
Postsecondary teachers, physics	92,000	3,000	D	D	153,000	30,500	235,000	87,000	115,000	6,500	80,000	1,500	S	S
Postsecondary teachers, other physical science	90,000	1,500	D	D	114,000	13,000	D	D	107,000	4,500	78,000	2,500	78,000	20,000
Other physical scientist	125,000	4,000	*	*	132,000	11,500	D	D	126,000	7,000	74,000	19,000	115,000	16,500
Psychologist	100,000	500	S	S	104,000	6,000	102,000	1,500	104,000	3,000	75,000	2,500	100,000	7,000
Psychologist	103,000	1,500	S	S	107,000	6,000	103,000	2,000	104,000	4,000	96,000	6,000	104,000	8,500
Postsecondary teachers, psychology	85,000	1,000	D	D	98,000	7,500	81,000	10,000	104,000	3,500	75,000	1,500	79,000	6,000
Social scientist	99,000	1,500	100,000	9,000	130,000	3,000	156,000	25,000	115,000	3,500	81,000	2,000	94,000	5,000
Economist	149,000	4,000	94,000	16,500	159,000	12,500	176,000	13,000	143,000	5,500	115,000	21,000	149,000	20,000
Political scientist	134,000	10,500	D	D	147,000	9,500	D	D	134,000	16,500	D	D	122,000	22,000
Postsecondary teachers, economics	110,000	3,500	D	D	138,000	18,500	D	D	138,000	5,500	99,000	2,500	S	S
Postsecondary teachers, political science	88,000	4,500	D	D	124,000	12,500	D	D	105,000	4,500	80,000	2,000	76,000	10,000
Postsecondary teachers, sociology	83,000	2,500	D	D	119,000	11,000	D	D	98,000	5,000	74,000	2,500	84,000	4,000
Postsecondary teachers, other social sciences	84,000	2,000	D	D	105,000	5,000	D	D	90,000	2,000	80,000	500	96,000	11,000
Sociologist, anthropologist	89,000	6,000	D	D	102,000	10,500	D	D	87,000	9,500	93,000	9,500	82,000	8,000
Other social scientist	106,000	4,500	101,000	4,500	122,000	10,500	150,000	15,000	104,000	4,500	83,000	10,000	85,000	11,000
Engineering occupations	130,000	500	139,000	4,000	150,000	5,000	129,000	5,000	132,000	3,000	100,000	1,000	130,000	4,500

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

(Dollars)

Occupation	All full-time employed		Computer applications		Management, sales, or administration <sup>a</sup>		Professional services		Any R&D <sup>b</sup>		Teaching		Other <sup>c</sup>	
	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	145,000	10,000	159,000	5,000	S	S	149,000	5,000	D	D	155,000	14,500
Chemical engineer	137,000	4,500	S	S	142,000	8,500	D	D	139,000	5,500	80,000	7,500	129,000	6,000
Civil, architectural, sanitary engineer	109,000	5,000	128,000	15,500	129,000	7,000	110,000	17,500	100,000	4,500	95,000	25,500	111,000	34,500
Electrical engineer	149,000	1,000	150,000	11,000	166,000	7,000	163,000	38,000	149,000	2,500	103,000	3,500	142,000	7,000
Industrial engineers	119,000	3,500	D	D	125,000	24,500	D	D	115,000	5,500	108,000	25,000	127,000	13,000
Mechanical engineer	129,000	3,500	114,000	9,000	149,000	10,500	D	D	124,000	5,000	100,000	7,000	143,000	33,000
Postsecondary teacher, engineering	108,000	2,500	S	S	128,000	4,000	D	D	118,000	5,000	99,000	2,000	D	D
Other engineer	130,000	500	126,000	5,500	140,000	7,000	130,000	6,000	129,000	2,500	112,000	10,500	121,000	4,500
S&E-related occupations	130,000	500	138,000	7,500	160,000	4,000	158,000	13,500	130,000	3,000	85,000	1,500	108,000	6,500
Health occupations, except postsecondary teachers and managers	139,000	3,500	129,000	60,500	125,000	10,500	157,000	17,000	130,000	5,000	100,000	19,500	101,000	12,500
Postsecondary teacher, health and related science	105,000	2,500	D	D	148,000	13,500	165,000	20,000	115,000	3,000	90,000	1,000	86,000	20,000
S&E managers, including health	164,000	4,000	171,000	19,000	170,000	4,000	198,000	34,500	150,000	2,500	D	D	135,000	17,500
S&E precollege teachers	63,000	2,500	D	D	50,000	11,000	D	D	D	D	63,000	2,500	D	D
S&E technicians/technologists	129,000	3,500	129,000	5,500	151,000	15,000	S	S	130,000	6,000	S	S	71,000	20,000
Other S&E-related occupation	132,000	8,500	D	D	125,000	11,000	113,000	4,000	155,000	9,000	D	D	D	D
Non-S&E occupations	138,000	3,500	139,000	9,000	154,000	4,000	139,000	6,000	145,000	6,000	82,000	2,000	108,000	5,000
Arts, humanities-related occupation	93,000	3,500	D	D	109,000	11,500	89,000	4,000	94,000	9,000	89,000	23,000	89,000	3,500
Management-related occupation	140,000	5,500	140,000	21,500	140,000	6,000	159,000	11,500	145,000	5,500	129,000	49,000	110,000	11,500
Non S&E managers	179,000	3,500	139,000	15,500	185,000	5,000	174,000	13,500	172,000	6,500	106,000	23,500	159,000	13,500

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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	D	D	121,000	12,500	123,000	13,500	137,000	11,000	84,000	3,000	98,000	8,500
Non S&E precollege/other teachers	68,000	4,000	D	D	93,000	17,000	D	D	70,000	10,000	60,000	8,500	S	S
Sales, marketing occupation	120,000	5,000	D	D	119,000	5,500	105,000	35,500	125,000	15,500	D	D	122,000	34,000
Social service-related occupation	74,000	5,000	D	D	78,000	7,000	70,000	2,500	79,000	4,500	69,000	10,000	77,000	12,500
Other non-S&E occupation	125,000	6,000	D	D	70,000	7,000	179,000	13,000	86,000	8,000	51,000	12,500	72,000	10,500

\* = suppressed when population estimate < 25. 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.

<sup>a</sup> Administration includes accounting, finance, contracts, and human resources.

<sup>b</sup> R&D includes applied and basic research, design, and development.

<sup>c</sup> 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. 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?" 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.