

TABLE 23. Median annual salaries of U.S. scientists and engineers, by level and field of highest degree, sex, and race/ethnicity: 2003  
(Dollars)

Level and field of highest degree	Employed scientists and engineers	Sex		Race/ethnicity <sup>a</sup>					
		Male	Female	American Indian/Alaska Native	Asian	Black	Hispanic	White	Other
All degree levels and fields <sup>b</sup>	60,000	70,000	49,000	50,000	63,000	50,000	50,000	61,000	56,000
S&E fields	60,000	67,000	44,000	48,000	63,000	48,000	49,000	60,000	51,000
Sciences	52,000	60,000	42,000	42,000	55,000	45,000	44,000	53,000	43,000
Biological/agricultural/environmental life sciences	46,000	50,000	41,000	63,000	46,000	42,000	39,000	48,000	42,000
Agricultural sciences	43,000	44,000	40,000	S	35,000	54,000	30,000	43,000	51,000
Biological sciences	48,000	52,000	41,000	61,000	47,000	41,000	39,000	49,000	42,000
Environmental life sciences	45,000	51,000	40,000	S	33,000	45,000	62,000	46,000	S
Computer/mathematical sciences	68,000	72,000	58,000	S	70,000	54,000	55,000	70,000	62,000
Computer/information sciences	70,000	75,000	60,000	S	70,000	55,000	56,000	74,000	64,000
Mathematics/statistics	60,000	68,000	50,000	S	58,000	49,000	50,000	65,000	46,000
Physical/related sciences	62,000	67,000	46,000	48,000	58,000	50,000	48,000	65,000	56,000
Chemistry, except biochemistry	60,000	65,000	48,000	S	56,000	50,000	48,000	65,000	45,000
Earth/atmospheric/ocean sciences	58,000	60,000	43,000	S	54,000	S	48,000	58,000	56,000
Physics/astronomy	75,000	80,000	46,000	S	62,000	55,000	73,000	80,000	60,000
Other physical sciences	50,000	69,000	35,000	S	24,000	50,000	S	52,000	S
Social/related sciences	48,000	57,000	40,000	34,000	45,000	42,000	41,000	50,000	40,000
Economics	63,000	69,000	51,000	S	50,000	50,000	55,000	70,000	55,000
Political/related sciences	55,000	63,000	43,000	S	40,000	40,000	49,000	60,000	40,000
Psychology	43,000	53,000	40,000	30,000	40,000	40,000	39,000	45,000	40,000
Sociology/anthropology	40,000	45,000	35,000	41,000	35,000	43,000	38,000	41,000	40,000
Other social sciences	44,000	49,000	40,000	S	52,000	40,000	40,000	45,000	42,000
Engineering	75,000	76,000	65,000	70,000	73,000	65,000	63,000	77,000	75,000
Aerospace/aeronautical/astronautical engineering	75,000	77,000	61,000	S	75,000	81,000	50,000	78,000	72,000
Chemical engineering	80,000	85,000	65,000	S	72,000	62,000	64,000	85,000	70,000
Civil/architectural engineering	70,000	70,000	56,000	S	65,000	60,000	56,000	70,000	89,000
Electrical/computer engineering	80,000	80,000	75,000	S	79,000	68,000	72,000	82,000	80,000
Industrial engineering	73,000	74,000	63,000	S	73,000	64,000	60,000	75,000	S
Mechanical engineering	75,000	75,000	63,000	S	68,000	70,000	65,000	77,000	72,000
Other engineering	70,000	72,000	60,000	S	70,000	60,000	63,000	70,000	72,000
S&E-related fields	60,000	76,000	52,000	50,000	64,000	55,000	50,000	61,000	60,000
Health	62,000	95,000	54,000	60,000	65,000	55,000	55,000	64,000	60,000
Science/mathematics teacher education	45,000	47,000	43,000	S	30,000	48,000	32,000	45,000	S
Technology/technical fields	65,000	65,000	65,000	S	72,000	55,000	44,000	65,000	62,000
Other S&E-related fields	60,000	65,000	49,000	S	50,000	60,000	54,000	64,000	S
Non-S&E fields	62,000	70,000	50,000	50,000	63,000	52,000	55,000	64,000	65,000
Arts/humanities	55,000	60,000	47,000	S	59,000	50,000	51,000	55,000	35,000
Education, except science/mathematics teacher education	48,000	51,000	45,000	35,000	50,000	48,000	40,000	49,000	45,000
Management/administration	75,000	80,000	65,000	75,000	70,000	60,000	72,000	79,000	90,000
Sales/marketing	75,000	79,000	62,000	S	90,000	S	S	70,000	S
Social services/related	46,000	50,000	45,000	S	45,000	45,000	50,000	45,000	S
Other non-S&E fields	70,000	80,000	56,000	S	62,000	55,000	69,000	74,000	79,000
Bachelor's degrees	54,000	62,000	45,000	47,000	54,000	46,000	45,000	55,000	50,000
S&E fields	55,000	63,000	40,000	48,000	53,000	45,000	47,000	57,000	48,000
Sciences	48,000	56,000	40,000	42,000	47,000	41,000	41,000	50,000	40,000

TABLE 23. Median annual salaries of U.S. scientists and engineers, by level and field of highest degree, sex, and race/ethnicity: 2003  
(Dollars)

Level and field of highest degree	Employed scientists and engineers	Sex		Race/ethnicity <sup>a</sup>					
		Male	Female	American Indian/Alaska Native	Asian	Black	Hispanic	White	Other
Biological/agricultural/environmental life sciences	43,000	48,000	40,000	63,000	42,000	40,000	35,000	45,000	39,000
Agricultural sciences	40,000	41,000	36,000	S	29,000	60,000	25,000	40,000	S
Biological sciences	45,000	50,000	40,000	S	43,000	40,000	35,000	46,000	39,000
Environmental life sciences	44,000	51,000	36,000	S	S	S	62,000	45,000	S
Computer/mathematical sciences	64,000	69,000	53,000	S	60,000	50,000	52,000	68,000	52,000
Computer/information sciences	66,000	70,000	58,000	S	60,000	51,000	55,000	70,000	55,000
Mathematics/statistics	58,000	61,000	45,000	S	45,000	49,000	49,000	60,000	35,000
Physical/related sciences	52,000	60,000	42,000	S	42,000	50,000	48,000	56,000	45,000
Chemistry, except biochemistry	52,000	58,000	46,000	S	47,000	45,000	48,000	57,000	S
Earth/atmospheric/ocean sciences	50,000	52,000	40,000	S	S	S	35,000	50,000	S
Physics/astronomy	69,000	75,000	38,000	S	42,000	S	98,000	75,000	S
Other physical sciences	45,000	69,000	33,000	S	S	S	S	50,000	S
Social/related sciences	45,000	54,000	37,000	34,000	40,000	40,000	40,000	46,000	40,000
Economics	60,000	65,000	49,000	S	45,000	50,000	55,000	65,000	50,000
Political/related sciences	53,000	60,000	40,000	S	36,000	40,000	48,000	57,000	40,000
Psychology	39,000	50,000	35,000	S	35,000	36,000	36,000	40,000	37,000
Sociology/anthropology	40,000	45,000	35,000	S	35,000	42,000	38,000	40,000	37,000
Other social sciences	40,000	45,000	37,000	S	46,000	38,000	40,000	42,000	S
Engineering	71,000	73,000	61,000	70,000	65,000	64,000	60,000	75,000	72,000
Aerospace/aeronautical/astronautical engineering	72,000	73,000	53,000	S	54,000	S	45,000	75,000	S
Chemical engineering	75,000	80,000	65,000	S	60,000	57,000	46,000	81,000	S
Civil/architectural engineering	67,000	70,000	55,000	S	60,000	60,000	54,000	70,000	86,000
Electrical/computer engineering	75,000	75,000	70,000	S	70,000	66,000	69,000	78,000	75,000
Industrial engineering	70,000	72,000	55,000	S	52,000	52,000	54,000	73,000	S
Mechanical engineering	73,000	75,000	60,000	S	65,000	64,000	62,000	75,000	62,000
Other engineering	64,000	65,000	56,000	S	60,000	50,000	60,000	65,000	S
S&E-related fields	52,000	60,000	50,000	50,000	55,000	50,000	42,000	52,000	55,000
Health	50,000	65,000	50,000	60,000	54,000	50,000	43,000	50,000	55,000
Science/mathematics teacher education	40,000	43,000	37,000	S	S	40,000	30,000	40,000	S
Technology/technical fields	62,000	62,000	65,000	S	70,000	55,000	40,000	65,000	S
Other S&E-related fields	60,000	62,000	48,000	S	50,000	46,000	55,000	60,000	S
Non-S&E fields	51,000	60,000	44,000	S	45,000	42,000	46,000	54,000	48,000
Arts/humanities	53,000	60,000	44,000	S	60,000	50,000	53,000	55,000	S
Education, except science/mathematics teacher education	40,000	43,000	38,000	S	30,000	40,000	38,000	41,000	S
Management/administration	62,000	67,000	52,000	S	45,000	50,000	52,000	65,000	68,000
Sales/marketing	55,000	60,000	50,000	S	S	S	S	55,000	S
Social services/related	43,000	45,000	42,000	S	S	S	S	45,000	S
Other non-S&E fields	48,000	52,000	42,000	S	46,000	40,000	43,000	50,000	S
Master's degrees	63,000	74,000	52,000	56,000	70,000	55,000	55,000	64,000	67,000
S&E fields	67,000	75,000	52,000	48,000	72,000	57,000	56,000	68,000	63,000
Sciences	60,000	69,000	50,000	48,000	67,000	55,000	48,000	60,000	50,000
Biological/agricultural/environmental life sciences	49,000	50,000	48,000	S	47,000	50,000	48,000	50,000	S
Agricultural sciences	50,000	50,000	49,000	S	S	S	S	50,000	S
Biological sciences	50,000	52,000	47,000	S	47,000	50,000	48,000	50,000	S
Environmental life sciences	45,000	45,000	47,000	S	S	S	S	45,000	S

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(Dollars)

Level and field of highest degree	Employed scientists and engineers	Sex		Race/ethnicity <sup>a</sup>					
		Male	Female	American Indian/Alaska Native	Asian	Black	Hispanic	White	Other
Computer/mathematical sciences	78,000	82,000	68,000	S	76,000	73,000	57,000	80,000	85,000
Computer/information sciences	80,000	84,000	72,000	S	77,000	73,000	57,000	85,000	85,000
Mathematics/statistics	70,000	75,000	59,000	S	70,000	56,000	50,000	72,000	S
Physical/related sciences	64,000	65,000	55,000	S	60,000	55,000	48,000	65,000	S
Chemistry, except biochemistry	60,000	60,000	56,000	S	55,000	S	S	63,000	S
Earth/atmospheric/ocean sciences	64,000	66,000	43,000	S	S	S	S	65,000	S
Physics/astronomy	70,000	71,000	68,000	S	67,000	S	S	78,000	S
Other physical sciences	65,000	S	S	S	S	S	S	S	S
Social/related sciences	50,000	63,000	46,000	S	50,000	52,000	45,000	52,000	47,000
Economics	73,000	80,000	60,000	S	56,000	S	S	80,000	S
Political/related sciences	70,000	74,000	55,000	S	S	57,000	65,000	74,000	S
Psychology	48,000	54,000	45,000	S	S	50,000	45,000	47,000	48,000
Sociology/anthropology	43,000	49,000	40,000	S	S	44,000	S	42,000	S
Other social sciences	52,000	60,000	46,000	S	S	55,000	40,000	52,000	S
Engineering	80,000	83,000	70,000	S	80,000	71,000	69,000	84,000	84,000
Aerospace/aeronautical/astronautical engineering	80,000	80,000	69,000	S	S	S	S	80,000	S
Chemical engineering	86,000	92,000	64,000	S	90,000	S	64,000	91,000	S
Civil/architectural engineering	73,000	75,000	62,000	S	70,000	62,000	60,000	75,000	S
Electrical/computer engineering	90,000	90,000	80,000	S	85,000	74,000	78,000	93,000	S
Industrial engineering	80,000	80,000	79,000	S	80,000	S	61,000	83,000	S
Mechanical engineering	80,000	80,000	74,000	S	75,000	S	70,000	80,000	S
Other engineering	75,000	80,000	60,000	S	70,000	77,000	70,000	80,000	S
S&E-related fields	57,000	65,000	54,000	S	62,000	55,000	51,000	58,000	70,000
Health	58,000	73,000	55,000	S	60,000	53,000	53,000	59,000	75,000
Science/mathematics teacher education	50,000	50,000	50,000	S	S	55,000	50,000	50,000	S
Technology/technical fields	73,000	73,000	73,000	S	80,000	S	S	72,000	S
Other S&E-related fields	60,000	65,000	50,000	S	55,000	S	S	65,000	S
Non-S&E fields	63,000	75,000	50,000	61,000	66,000	55,000	57,000	65,000	68,000
Arts/humanities	57,000	62,000	50,000	S	59,000	S	S	57,000	S
Education, except science/mathematics teacher education	50,000	53,000	46,000	S	53,000	50,000	40,000	50,000	45,000
Management/administration	84,000	90,000	70,000	S	76,000	70,000	80,000	85,000	120,000
Sales/marketing	89,000	90,000	80,000	S	100,000	S	S	90,000	S
Social services/related	47,000	50,000	45,000	S	45,000	47,000	50,000	47,000	S
Other non-S&E fields	60,000	68,000	49,000	S	57,000	55,000	57,000	62,000	S
Doctorate degrees	77,000	83,000	63,000	59,000	78,000	60,000	63,000	80,000	70,000
S&E fields	80,000	85,000	65,000	65,000	79,000	60,000	67,000	80,000	75,000
Sciences	75,000	80,000	63,000	65,000	70,000	60,000	62,000	79,000	72,000
Biological/agricultural/environmental life sciences	72,000	75,000	60,000	S	60,000	60,000	61,000	75,000	70,000
Agricultural sciences	72,000	74,000	56,000	S	52,000	35,000	61,000	76,000	S
Biological sciences	72,000	75,000	60,000	S	60,000	69,000	60,000	75,000	70,000
Environmental life sciences	72,000	74,000	58,000	S	67,000	S	S	73,000	S
Computer/mathematical sciences	80,000	85,000	60,000	S	82,000	40,000	82,000	84,000	92,000
Computer/information sciences	95,000	100,000	79,000	S	94,000	60,000	115,000	100,000	S
Mathematics/statistics	74,000	78,000	52,000	S	72,000	40,000	65,000	79,000	S
Physical/related sciences	85,000	86,000	70,000	S	80,000	75,000	70,000	87,000	92,000

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Level and field of highest degree	Employed scientists and engineers	Sex		Race/ethnicity <sup>a</sup>					
		Male	Female	American Indian/Alaska Native	Asian	Black	Hispanic	White	Other
Chemistry, except biochemistry	85,000	87,000	74,000	S	79,000	74,000	72,000	89,000	92,000
Earth/atmospheric/ocean sciences	75,000	79,000	61,000	S	69,000	S	70,000	75,000	S
Physics/astronomy	89,000	90,000	76,000	S	84,000	75,000	70,000	90,000	72,000
Other physical sciences	70,000	71,000	67,000	S	S	S	S	67,000	S
Social/related sciences	71,000	78,000	63,000	59,000	68,000	62,000	62,000	73,000	65,000
Economics	95,000	96,000	84,000	S	83,000	65,000	82,000	100,000	S
Political/related sciences	63,000	65,000	60,000	S	55,000	59,000	48,000	66,000	S
Psychology	71,000	80,000	64,000	S	55,000	63,000	62,000	73,000	69,000
Sociology/anthropology	62,000	67,000	60,000	S	66,000	69,000	48,000	62,000	68,000
Other social sciences	68,000	70,000	63,000	S	70,000	60,000	52,000	70,000	S
Engineering	94,000	95,000	80,000	S	90,000	81,000	87,000	98,000	99,000
Aerospace/aeronautical/astronautical engineering	85,000	86,000	S	S	75,000	S	S	98,000	S
Chemical engineering	95,000	98,000	80,000	S	90,000	85,000	86,000	100,000	S
Civil/architectural engineering	81,000	82,000	62,000	S	85,000	S	80,000	80,000	S
Electrical/computer engineering	100,000	100,000	95,000	S	100,000	92,000	89,000	102,000	106,000
Industrial engineering	84,000	88,000	80,000	S	88,000	S	S	82,000	S
Mechanical engineering	90,000	91,000	71,000	S	87,000	S	87,000	95,000	S
Other engineering	90,000	92,000	80,000	S	85,000	81,000	93,000	95,000	S
S&E-related fields	72,000	90,000	62,000	S	69,000	70,000	55,000	73,000	72,000
Health	72,000	85,000	64,000	S	62,000	78,000	45,000	72,000	75,000
Science/mathematics teacher education	61,000	S	S	S	S	S	S	62,000	S
Technology/technical fields	100,000	100,000	S	S	S	S	S	S	S
Other S&E-related fields	S	S	S	S	S	S	S	S	S
Non-S&E fields	65,000	71,000	60,000	S	80,000	58,000	63,000	65,000	S
Arts/humanities	62,000	63,000	50,000	S	S	S	S	63,000	S
Education, except science/mathematics teacher education	65,000	80,000	60,000	S	S	53,000	S	70,000	S
Management/administration	85,000	80,000	S	S	80,000	S	S	88,000	S
Sales/marketing	S	S	S	S	S	S	S	S	S
Social services/related	55,000	50,000	60,000	S	S	S	S	50,000	S
Other non-S&E fields	71,000	90,000	59,000	S	S	S	S	64,000	S

S = suppressed for reliability or confidentiality.

S&E = science and engineering.

<sup>a</sup> "Other" includes Native Hawaiian/Other Pacific Islander, and non-Hispanic respondents reporting 2 or more races.

<sup>b</sup> Total includes professional degrees not broken out separately.

NOTES: Scientists and engineers include any person who has ever received a bachelor's or higher degree in a science or engineering (S&E) or S&E-related field, plus any person holding a non-S&E bachelor's or higher degree who was employed in a S&E or S&E-related occupation in 2003.

See <http://sestat.nsf.gov/docs/ed03maj.html> for a detailed description of the educational field classification. Salaries are for principal job and rounded to the nearest thousand.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Scientists and Engineers Statistical Data System (SESTAT): 2003.