

TABLE 21. Median annual salaries of U.S. scientists and engineers, by level and field of highest degree, sex, and employment sector: 2003
(Dollars)

Level and field of highest degree and sex	Employed scientists and engineers	Business/industry				Educational institution			Government		
		Total	Profit	Self- employed	Nonprofit	Total	4-year college/ university	Other	Total	Federal	State/ local
All degree levels and fields ^a	60,000	66,000	70,000	56,000	50,000	45,000	50,000	43,000	57,000	70,000	50,000
Male	70,000	75,000	76,000	62,000	60,000	50,000	56,000	47,000	61,000	72,000	55,000
Female	49,000	51,000	55,000	44,000	46,000	43,000	45,000	42,000	50,000	62,000	45,000
S&E fields	60,000	65,000	68,000	40,000	41,000	42,000	47,000	40,000	55,000	68,000	49,000
Male	67,000	71,000	74,000	45,000	55,000	50,000	54,000	42,000	60,000	72,000	52,000
Female	44,000	47,000	51,000	32,000	37,000	38,000	40,000	37,000	46,000	60,000	42,000
Sciences	52,000	58,000	60,000	40,000	40,000	42,000	46,000	40,000	50,000	63,000	45,000
Male	60,000	65,000	70,000	41,000	50,000	49,000	52,000	42,000	55,000	68,000	50,000
Female	42,000	45,000	48,000	31,000	37,000	38,000	40,000	37,000	44,000	58,000	40,000
Biological/agricultural/environmental life sciences	46,000	48,000	50,000	32,000	42,000	41,000	42,000	39,000	50,000	60,000	45,000
Male	50,000	52,000	55,000	35,000	51,000	46,000	48,000	39,000	51,000	64,000	48,000
Female	41,000	43,000	45,000	25,000	38,000	37,000	36,000	39,000	46,000	53,000	42,000
Agricultural/food sciences	43,000	43,000	46,000	25,000	34,000	40,000	43,000	34,000	49,000	60,000	40,000
Male	44,000	44,000	47,000	25,000	49,000	50,000	52,000	37,000	45,000	60,000	40,000
Female	40,000	43,000	45,000	S	S	35,000	36,000	30,000	49,000	63,000	38,000
Biological sciences	48,000	50,000	52,000	45,000	43,000	42,000	42,000	40,000	50,000	61,000	46,000
Male	52,000	60,000	60,000	50,000	53,000	46,000	47,000	40,000	53,000	69,000	49,000
Female	41,000	43,000	46,000	35,000	40,000	38,000	35,000	40,000	47,000	54,000	42,000
Environmental life sciences	45,000	48,000	53,000	18,000	34,000	38,000	40,000	35,000	45,000	50,000	44,000
Male	51,000	54,000	60,000	15,000	55,000	40,000	42,000	S	48,000	51,000	43,000
Female	40,000	40,000	43,000	S	34,000	35,000	33,000	S	43,000	30,000	44,000
Computer/mathematical sciences	68,000	73,000	75,000	31,000	60,000	44,000	53,000	39,000	60,000	67,000	51,000
Male	72,000	78,000	80,000	40,000	66,000	49,000	55,000	41,000	60,000	73,000	55,000
Female	58,000	63,000	65,000	24,000	49,000	40,000	45,000	37,000	54,000	62,000	49,000
Computer/information sciences	70,000	74,000	75,000	32,000	60,000	46,000	53,000	40,000	59,000	69,000	51,000
Male	75,000	78,000	80,000	40,000	68,000	49,000	54,000	42,000	62,000	76,000	55,000
Female	60,000	65,000	66,000	S	50,000	43,000	48,000	38,000	52,000	62,000	47,000
Mathematical sciences	60,000	70,000	73,000	30,000	48,000	42,000	51,000	38,000	60,000	64,000	52,000
Male	68,000	76,000	78,000	39,000	58,000	49,000	57,000	40,000	60,000	64,000	56,000
Female	50,000	60,000	65,000	S	48,000	40,000	45,000	35,000	55,000	65,000	50,000
Physical/related sciences	62,000	70,000	70,000	40,000	70,000	47,000	50,000	42,000	58,000	70,000	50,000
Male	67,000	72,000	75,000	40,000	100,000	53,000	56,000	48,000	62,000	75,000	55,000
Female	46,000	52,000	55,000	35,000	40,000	37,000	40,000	34,000	46,000	58,000	38,000
Chemistry, except biochemistry	60,000	66,000	68,000	40,000	65,000	45,000	44,000	45,000	62,000	70,000	52,000

TABLE 21. Median annual salaries of U.S. scientists and engineers, by level and field of highest degree, sex, and employment sector: 2003
(Dollars)

Level and field of highest degree and sex	Employed scientists and engineers	Business/industry				Educational institution			Government		
		Total	Profit	Self- employed	Nonprofit	Total	4-year college/ university	Other	Total	Federal	State/ local
Male	65,000	70,000	70,000	40,000	100,000	49,000	49,000	48,000	62,000	79,000	58,000
Female	48,000	55,000	56,000	S	45,000	38,000	33,000	45,000	55,000	70,000	36,000
Earth/atmospheric/ocean sciences	58,000	63,000	66,000	40,000	57,000	51,000	54,000	45,000	54,000	65,000	49,000
Male	60,000	63,000	66,000	41,000	180,000	59,000	57,000	59,000	58,000	69,000	50,000
Female	43,000	50,000	60,000	S	S	40,000	40,000	34,000	42,000	48,000	38,000
Physics/astronomy	75,000	84,000	85,000	70,000	90,000	50,000	58,000	36,000	90,000	90,000	72,000
Male	80,000	85,000	85,000	70,000	96,000	55,000	61,000	46,000	99,000	99,000	90,000
Female	46,000	64,000	66,000	S	S	23,000	52,000	15,000	40,000	40,000	S
Other physical sciences	50,000	50,000	65,000	S	S	40,000	46,000	S	51,000	52,000	51,000
Male	69,000	72,000	74,000	S	S	65,000	S	S	51,000	50,000	S
Female	35,000	33,000	33,000	S	S	40,000	40,000	S	28,000	S	S
Social/related sciences	48,000	50,000	55,000	40,000	37,000	40,000	46,000	39,000	49,000	62,000	43,000
Male	57,000	60,000	63,000	45,000	42,000	49,000	55,000	42,000	52,000	70,000	48,000
Female	40,000	40,000	43,000	35,000	35,000	38,000	41,000	37,000	43,000	58,000	40,000
Economics	63,000	65,000	65,000	60,000	70,000	52,000	67,000	40,000	60,000	70,000	52,000
Male	69,000	70,000	72,000	65,000	74,000	62,000	70,000	42,000	62,000	73,000	50,000
Female	51,000	51,000	52,000	S	56,000	40,000	50,000	40,000	59,000	56,000	60,000
Political/related sciences	55,000	60,000	64,000	40,000	40,000	40,000	48,000	32,000	57,000	72,000	51,000
Male	63,000	65,000	70,000	50,000	52,000	45,000	50,000	38,000	61,000	73,000	52,000
Female	43,000	43,000	48,000	35,000	36,000	33,000	48,000	29,000	48,000	60,000	44,000
Psychology	43,000	44,000	50,000	45,000	37,000	42,000	45,000	41,000	42,000	59,000	41,000
Male	53,000	59,000	60,000	45,000	44,000	52,000	57,000	50,000	47,000	57,000	42,000
Female	40,000	39,000	40,000	40,000	36,000	40,000	41,000	40,000	41,000	59,000	38,000
Sociology/anthropology	40,000	40,000	41,000	40,000	32,000	35,000	40,000	32,000	45,000	58,000	42,000
Male	45,000	45,000	47,000	50,000	35,000	42,000	54,000	35,000	48,000	62,000	45,000
Female	35,000	35,000	37,000	25,000	32,000	34,000	36,000	30,000	43,000	54,000	38,000
Other social sciences	44,000	45,000	52,000	33,000	32,000	40,000	45,000	37,000	47,000	50,000	42,000
Male	49,000	49,000	55,000	33,000	35,000	48,000	46,000	48,000	50,000	50,000	50,000
Female	40,000	41,000	48,000	30,000	32,000	37,000	45,000	33,000	42,000	70,000	35,000
Engineering	75,000	77,000	78,000	52,000	73,000	53,000	60,000	40,000	70,000	76,000	62,000
Male	76,000	79,000	80,000	50,000	75,000	60,000	65,000	49,000	71,000	77,000	63,000
Female	65,000	68,000	68,000	52,000	53,000	39,000	45,000	37,000	62,000	70,000	55,000
Aerospace/related engineering	75,000	78,000	78,000	S	102,000	45,000	45,000	S	70,000	74,000	S
Male	77,000	80,000	80,000	S	S	52,000	55,000	S	70,000	74,000	S

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(Dollars)

Level and field of highest degree and sex	Employed scientists and engineers	Business/industry				Educational institution			Government		
		Total	Profit	Self-employed	Nonprofit	Total	4-year college/university	Other	Total	Federal	State/local
Female	61,000	66,000	53,000	S	S	S	S	S	78,000	78,000	S
Chemical engineering	80,000	84,000	85,000	28,000	75,000	37,000	34,000	S	66,000	67,000	64,000
Male	85,000	86,000	88,000	28,000	S	30,000	30,000	S	67,000	67,000	57,000
Female	65,000	67,000	68,000	S	S	39,000	37,000	S	64,000	87,000	S
Civil/architectural engineering	70,000	70,000	70,000	60,000	65,000	60,000	65,000	37,000	67,000	76,000	64,000
Male	70,000	73,000	73,000	60,000	65,000	60,000	70,000	S	69,000	79,000	65,000
Female	56,000	55,000	55,000	S	S	35,000	52,000	S	60,000	67,000	59,000
Electrical/computer engineering	80,000	80,000	82,000	50,000	75,000	54,000	62,000	40,000	72,000	76,000	56,000
Male	80,000	81,000	83,000	50,000	78,000	58,000	63,000	43,000	72,000	77,000	60,000
Female	75,000	78,000	78,000	S	S	39,000	54,000	S	60,000	70,000	S
Industrial engineering	73,000	75,000	75,000	S	S	56,000	66,000	S	60,000	72,000	S
Male	74,000	75,000	75,000	S	S	64,000	67,000	S	68,000	69,000	S
Female	63,000	70,000	70,000	S	S	39,000	54,000	S	39,000	S	S
Mechanical engineering	75,000	75,000	75,000	52,000	79,000	60,000	72,000	40,000	79,000	86,000	65,000
Male	75,000	75,000	75,000	60,000	90,000	68,000	72,000	50,000	80,000	86,000	67,000
Female	63,000	65,000	68,000	S	S	31,000	49,000	S	51,000	S	S
Other engineering	70,000	72,000	74,000	50,000	55,000	52,000	60,000	49,000	65,000	72,000	58,000
Male	72,000	75,000	75,000	50,000	55,000	57,000	63,000	49,000	68,000	75,000	58,000
Female	60,000	60,000	60,000	S	S	40,000	38,000	S	65,000	65,000	55,000
S&E-related fields	60,000	66,000	70,000	80,000	56,000	49,000	56,000	44,000	58,000	65,000	53,000
Male	76,000	83,000	82,000	95,000	80,000	52,000	65,000	46,000	61,000	66,000	60,000
Female	52,000	55,000	55,000	60,000	53,000	47,000	53,000	43,000	55,000	65,000	49,000
Health	62,000	70,000	73,000	95,000	56,000	50,000	58,000	42,000	58,000	65,000	51,000
Male	95,000	100,000	100,000	120,000	86,000	69,000	76,000	46,000	65,000	70,000	60,000
Female	54,000	55,000	55,000	62,000	53,000	49,000	54,000	42,000	55,000	65,000	49,000
Science/mathematics teacher education	45,000	40,000	46,000	S	S	45,000	46,000	45,000	53,000	S	43,000
Male	47,000	45,000	57,000	S	S	47,000	61,000	47,000	54,000	S	S
Female	43,000	32,000	32,000	S	S	44,000	45,000	44,000	S	S	S
Technology/technical fields	65,000	65,000	66,000	50,000	60,000	50,000	51,000	48,000	52,000	61,000	50,000
Male	65,000	65,000	65,000	50,000	60,000	46,000	51,000	40,000	50,000	61,000	50,000
Female	65,000	65,000	70,000	S	S	S	S	S	S	S	S
Other S&E-related fields	60,000	62,000	63,000	50,000	S	49,000	52,000	S	65,000	70,000	65,000
Male	65,000	65,000	66,000	50,000	S	54,000	55,000	S	65,000	S	65,000
Female	49,000	49,000	50,000	S	S	S	S	S	62,000	S	60,000

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(Dollars)

Level and field of highest degree and sex	Employed scientists and engineers	Business/industry				Educational institution			Government		
		Total	Profit	Self-employed	Nonprofit	Total	4-year college/university	Other	Total	Federal	State/local
Non-S&E fields	62,000	72,000	76,000	65,000	50,000	47,000	48,000	46,000	61,000	77,000	55,000
Male	70,000	80,000	81,000	72,000	51,000	50,000	52,000	50,000	69,000	79,000	62,000
Female	50,000	58,000	62,000	45,000	48,000	45,000	45,000	44,000	53,000	72,000	50,000
Arts/humanities	55,000	60,000	65,000	52,000	44,000	45,000	45,000	42,000	53,000	62,000	50,000
Male	60,000	68,000	70,000	62,000	44,000	47,000	45,000	50,000	59,000	55,000	60,000
Female	47,000	50,000	56,000	S	32,000	42,000	45,000	40,000	48,000	S	44,000
Education, except science/mathematics education teacher	48,000	52,000	54,000	35,000	44,000	47,000	51,000	47,000	52,000	70,000	47,000
Male	51,000	55,000	60,000	60,000	42,000	50,000	58,000	50,000	60,000	S	53,000
Female	45,000	45,000	46,000	S	50,000	45,000	46,000	45,000	47,000	60,000	42,000
Management/administration	75,000	80,000	80,000	50,000	63,000	47,000	54,000	41,000	65,000	76,000	57,000
Male	80,000	83,000	85,000	50,000	70,000	54,000	66,000	43,000	69,000	79,000	60,000
Female	65,000	69,000	70,000	40,000	63,000	43,000	46,000	38,000	60,000	70,000	50,000
Sales/marketing	75,000	80,000	80,000	S	S	45,000	45,000	S	S	S	S
Male	79,000	85,000	85,000	S	S	48,000	S	S	S	S	S
Female	62,000	70,000	73,000	S	S	S	S	S	S	S	S
Social services/related	46,000	45,000	47,000	56,000	42,000	48,000	45,000	50,000	50,000	61,000	48,000
Male	50,000	49,000	50,000	60,000	46,000	43,000	46,000	42,000	56,000	S	54,000
Female	45,000	43,000	45,000	42,000	41,000	50,000	42,000	52,000	45,000	S	44,000
Other non-S&E fields	70,000	78,000	80,000	90,000	55,000	46,000	46,000	46,000	69,000	80,000	62,000
Male	80,000	90,000	90,000	95,000	65,000	50,000	50,000	50,000	75,000	80,000	70,000
Female	56,000	60,000	63,000	50,000	49,000	43,000	45,000	42,000	56,000	89,000	51,000
Bachelor's degrees	54,000	60,000	62,000	40,000	45,000	38,000	42,000	36,000	51,000	62,000	47,000
Male	62,000	66,000	70,000	45,000	50,000	40,000	42,000	39,000	55,000	65,000	50,000
Female	45,000	47,000	50,000	33,000	43,000	37,000	42,000	35,000	45,000	57,000	42,000
S&E fields	55,000	60,000	63,000	40,000	40,000	35,000	37,000	35,000	51,000	62,000	46,000
Male	63,000	67,000	70,000	43,000	50,000	38,000	41,000	38,000	55,000	66,000	50,000
Female	40,000	43,000	48,000	31,000	35,000	33,000	34,000	32,000	43,000	54,000	39,000
Sciences	48,000	52,000	57,000	37,000	38,000	35,000	35,000	35,000	48,000	60,000	44,000
Male	56,000	60,000	64,000	40,000	45,000	38,000	39,000	38,000	50,000	60,000	48,000
Female	40,000	42,000	45,000	30,000	35,000	33,000	34,000	32,000	42,000	53,000	38,000
Biological/agricultural/environmental life sciences	43,000	45,000	48,000	35,000	40,000	36,000	34,000	37,000	48,000	60,000	43,000
Male	48,000	50,000	50,000	35,000	49,000	38,000	38,000	37,000	50,000	60,000	45,000
Female	40,000	40,000	42,000	25,000	34,000	34,000	32,000	37,000	42,000	52,000	37,000
Agricultural/food sciences	40,000	40,000	44,000	24,000	S	32,000	32,000	31,000	45,000	62,000	40,000

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		Total	Profit	Self-employed	Nonprofit	Total	4-year college/university	Other	Total	Federal	State/local
Male	41,000	40,000	44,000	25,000	S	32,000	S	S	43,000	60,000	S
Female	36,000	36,000	43,000	S	S	34,000	36,000	S	49,000	S	S
Biological sciences	45,000	47,000	48,000	45,000	40,000	36,000	34,000	38,000	49,000	60,000	43,000
Male	50,000	52,000	53,000	50,000	50,000	38,000	39,000	38,000	50,000	67,000	46,000
Female	40,000	41,000	42,000	S	40,000	34,000	32,000	39,000	40,000	52,000	37,000
Environmental life sciences	44,000	48,000	52,000	S	34,000	32,000	38,000	S	44,000	41,000	44,000
Male	51,000	54,000	60,000	S	S	33,000	S	S	47,000	47,000	50,000
Female	36,000	40,000	43,000	S	S	S	S	S	41,000	S	44,000
Computer/mathematical sciences	64,000	70,000	70,000	35,000	52,000	38,000	45,000	35,000	55,000	60,000	50,000
Male	69,000	72,000	74,000	40,000	60,000	41,000	46,000	38,000	55,000	60,000	50,000
Female	53,000	60,000	60,000	24,000	48,000	35,000	45,000	34,000	52,000	62,000	47,000
Computer/information sciences	66,000	70,000	70,000	40,000	58,000	42,000	47,000	38,000	55,000	61,000	50,000
Male	70,000	73,000	74,000	40,000	62,000	45,000	47,000	40,000	55,000	63,000	50,000
Female	58,000	60,000	61,000	S	49,000	38,000	45,000	34,000	51,000	60,000	45,000
Mathematical sciences	58,000	65,000	68,000	30,000	45,000	36,000	45,000	35,000	60,000	60,000	47,000
Male	61,000	70,000	70,000	39,000	S	40,000	42,000	38,000	60,000	60,000	45,000
Female	45,000	55,000	60,000	S	48,000	34,000	S	33,000	57,000	73,000	52,000
Physical/related sciences	52,000	60,000	63,000	40,000	56,000	35,000	33,000	36,000	50,000	58,000	49,000
Male	60,000	65,000	68,000	40,000	100,000	40,000	25,000	41,000	55,000	60,000	51,000
Female	42,000	46,000	47,000	S	33,000	31,000	36,000	30,000	40,000	48,000	38,000
Chemistry, except biochemistry	52,000	57,000	59,000	S	60,000	34,000	25,000	41,000	60,000	70,000	52,000
Male	58,000	60,000	62,000	S	S	35,000	21,000	41,000	62,000	75,000	58,000
Female	46,000	48,000	50,000	S	S	34,000	30,000	40,000	48,000	S	S
Earth/atmospheric/ocean sciences	50,000	55,000	60,000	41,000	S	37,000	40,000	34,000	48,000	52,000	46,000
Male	52,000	57,000	63,000	41,000	S	37,000	S	39,000	50,000	52,000	49,000
Female	40,000	49,000	50,000	S	S	37,000	S	S	42,000	S	S
Physics/astronomy	69,000	75,000	75,000	S	S	23,000	24,000	23,000	55,000	55,000	S
Male	75,000	78,000	80,000	S	S	39,000	24,000	S	90,000	90,000	S
Female	38,000	60,000	60,000	S	S	15,000	25,000	S	S	S	S
Other physical sciences	45,000	40,000	45,000	S	S	S	S	S	50,000	S	S
Male	69,000	70,000	72,000	S	S	S	S	S	S	S	S
Female	33,000	31,000	27,000	S	S	S	S	S	S	S	S
Social/related sciences	45,000	48,000	52,000	40,000	35,000	33,000	34,000	32,000	45,000	55,000	42,000
Male	54,000	60,000	60,000	43,000	40,000	37,000	35,000	37,000	50,000	60,000	47,000

TABLE 21. Median annual salaries of U.S. scientists and engineers, by level and field of highest degree, sex, and employment sector: 2003
(Dollars)

Level and field of highest degree and sex	Employed scientists and engineers	Business/industry				Educational institution			Government		
		Total	Profit	Self- employed	Nonprofit	Total	4-year college/ university	Other	Total	Federal	State/ local
Male	60,000	65,000	65,000	S	S	S	S	S	S	S	S
Female	50,000	52,000	56,000	S	S	S	S	S	S	S	S
Social services/related	43,000	45,000	47,000	S	S	S	S	S	35,000	S	S
Male	45,000	45,000	45,000	S	S	S	S	S	S	S	S
Female	42,000	48,000	S	S	S	S	S	S	S	S	S
Other non-S&E fields	48,000	50,000	50,000	S	44,000	38,000	36,000	40,000	52,000	64,000	50,000
Male	52,000	56,000	57,000	S	S	40,000	S	S	53,000	62,000	50,000
Female	42,000	43,000	46,000	S	38,000	38,000	S	S	50,000	S	50,000
Master's degrees	63,000	75,000	80,000	50,000	52,000	49,000	45,000	50,000	63,000	75,000	55,000
Male	74,000	81,000	85,000	50,000	58,000	51,000	47,000	52,000	70,000	80,000	60,000
Female	52,000	60,000	65,000	40,000	50,000	47,000	44,000	48,000	55,000	69,000	49,000
S&E fields	67,000	75,000	80,000	40,000	46,000	47,000	40,000	51,000	63,000	75,000	53,000
Male	75,000	80,000	84,000	45,000	60,000	50,000	45,000	55,000	70,000	80,000	58,000
Female	52,000	60,000	66,000	31,000	40,000	45,000	38,000	50,000	54,000	63,000	48,000
Sciences	60,000	70,000	75,000	40,000	44,000	47,000	40,000	51,000	58,000	73,000	50,000
Male	69,000	75,000	80,000	40,000	53,000	50,000	45,000	54,000	65,000	78,000	50,000
Female	50,000	55,000	65,000	30,000	40,000	45,000	38,000	50,000	52,000	62,000	48,000
Biological/agricultural/environmental life sciences	49,000	52,000	58,000	25,000	47,000	40,000	38,000	50,000	50,000	51,000	50,000
Male	50,000	55,000	63,000	S	65,000	44,000	44,000	52,000	50,000	50,000	50,000
Female	48,000	51,000	53,000	S	42,000	37,000	32,000	47,000	52,000	56,000	48,000
Agricultural/food sciences	50,000	56,000	65,000	S	S	40,000	42,000	S	49,000	S	S
Male	50,000	47,000	48,000	S	S	54,000	54,000	S	S	S	S
Female	49,000	65,000	65,000	S	S	35,000	S	S	S	S	S
Biological sciences	50,000	52,000	55,000	S	50,000	40,000	37,000	52,000	53,000	56,000	52,000
Male	52,000	63,000	65,000	S	S	44,000	44,000	52,000	53,000	51,000	53,000
Female	47,000	50,000	52,000	S	45,000	37,000	32,000	52,000	56,000	70,000	48,000
Environmental life sciences	45,000	45,000	56,000	S	S	40,000	S	S	45,000	45,000	S
Male	45,000	45,000	53,000	S	S	S	S	S	45,000	S	S
Female	47,000	45,000	S	S	S	S	S	S	S	S	S
Computer/mathematical sciences	78,000	82,000	84,000	20,000	81,000	50,000	50,000	50,000	75,000	89,000	60,000
Male	82,000	85,000	85,000	S	87,000	50,000	52,000	50,000	82,000	93,000	68,000
Female	68,000	76,000	78,000	S	80,000	50,000	45,000	50,000	55,000	55,000	53,000
Computer/information sciences	80,000	82,000	83,000	S	80,000	52,000	58,000	48,000	80,000	90,000	60,000
Male	84,000	85,000	85,000	S	87,000	52,000	63,000	S	85,000	93,000	68,000

TABLE 21. Median annual salaries of U.S. scientists and engineers, by level and field of highest degree, sex, and employment sector: 2003
(Dollars)

Level and field of highest degree and sex	Employed scientists and engineers	Business/industry				Educational institution			Government		
		Total	Profit	Self-employed	Nonprofit	Total	4-year college/university	Other	Total	Federal	State/local
Female	72,000	75,000	77,000	S	78,000	50,000	S	S	55,000	74,000	S
Mathematical sciences	70,000	84,000	85,000	S	S	49,000	49,000	50,000	65,000	74,000	S
Male	75,000	90,000	90,000	S	S	49,000	49,000	50,000	70,000	S	S
Female	59,000	80,000	80,000	S	S	49,000	49,000	49,000	55,000	S	S
Physical/related sciences	64,000	70,000	71,000	S	59,000	48,000	28,000	53,000	65,000	65,000	60,000
Male	65,000	71,000	76,000	S	S	53,000	38,000	58,000	65,000	68,000	60,000
Female	55,000	65,000	66,000	S	S	34,000	22,000	48,000	55,000	55,000	S
Chemistry, except biochemistry	60,000	66,000	66,000	S	S	45,000	20,000	53,000	52,000	S	S
Male	60,000	66,000	70,000	S	S	53,000	S	S	S	S	S
Female	56,000	65,000	65,000	S	S	42,000	20,000	S	S	S	S
Earth/atmospheric/ocean sciences	64,000	68,000	70,000	S	S	59,000	40,000	60,000	65,000	70,000	63,000
Male	66,000	70,000	72,000	S	S	60,000	S	S	65,000	70,000	60,000
Female	43,000	51,000	70,000	S	S	S	S	S	S	S	S
Physics/astronomy	70,000	80,000	87,000	S	S	44,000	31,000	44,000	S	S	S
Male	71,000	80,000	80,000	S	S	44,000	31,000	S	S	S	S
Female	68,000	90,000	S	S	S	48,000	31,000	S	S	S	S
Other physical sciences	65,000	S	S	S	S	S	S	S	S	S	S
Male	S	S	S	S	S	S	S	S	S	S	S
Female	S	S	S	S	S	S	S	S	S	S	S
Social/related sciences	50,000	52,000	70,000	45,000	40,000	49,000	39,000	52,000	57,000	75,000	47,000
Male	63,000	70,000	75,000	45,000	45,000	54,000	40,000	56,000	68,000	83,000	48,000
Female	46,000	45,000	52,000	40,000	38,000	47,000	39,000	50,000	50,000	69,000	45,000
Economics	73,000	77,000	78,000	S	S	45,000	52,000	S	70,000	60,000	S
Male	80,000	90,000	95,000	S	S	62,000	S	S	60,000	S	S
Female	60,000	73,000	66,000	S	S	S	S	S	S	S	S
Political/related sciences	70,000	69,000	80,000	S	60,000	44,000	S	52,000	75,000	89,000	67,000
Male	74,000	74,000	82,000	S	S	45,000	S	S	85,000	90,000	72,000
Female	55,000	65,000	65,000	S	62,000	44,000	S	S	50,000	S	S
Psychology	48,000	45,000	60,000	45,000	40,000	50,000	38,000	52,000	48,000	75,000	43,000
Male	54,000	61,000	75,000	45,000	45,000	55,000	34,000	58,000	47,000	S	42,000
Female	45,000	40,000	44,000	40,000	38,000	49,000	39,000	50,000	50,000	62,000	45,000
Sociology/anthropology	43,000	50,000	60,000	S	35,000	37,000	33,000	S	44,000	63,000	42,000
Male	49,000	50,000	60,000	S	S	42,000	S	S	44,000	S	S
Female	40,000	43,000	63,000	S	S	35,000	33,000	S	43,000	S	32,000

TABLE 21. Median annual salaries of U.S. scientists and engineers, by level and field of highest degree, sex, and employment sector: 2003
(Dollars)

Level and field of highest degree and sex	Employed scientists and engineers	Business/industry				Educational institution			Government		
		Total	Profit	Self-employed	Nonprofit	Total	4-year college/university	Other	Total	Federal	State/local
Other social sciences	52,000	53,000	62,000	S	35,000	52,000	44,000	54,000	60,000	80,000	50,000
Male	60,000	60,000	67,000	S	S	60,000	S	60,000	54,000	S	S
Female	46,000	39,000	55,000	S	S	46,000	41,000	52,000	60,000	S	42,000
Engineering	80,000	84,000	85,000	51,000	80,000	46,000	46,000	45,000	75,000	84,000	68,000
Male	83,000	85,000	85,000	51,000	87,000	52,000	49,000	64,000	77,000	84,000	72,000
Female	70,000	74,000	75,000	S	S	40,000	39,000	S	64,000	86,000	64,000
Aerospace/related engineering	80,000	81,000	84,000	S	S	S	S	S	76,000	76,000	S
Male	80,000	85,000	88,000	S	S	S	S	S	74,000	74,000	S
Female	69,000	S	S	S	S	S	S	S	S	S	S
Chemical engineering	86,000	91,000	91,000	S	S	22,000	21,000	S	S	S	S
Male	92,000	97,000	97,000	S	S	S	S	S	S	S	S
Female	64,000	70,000	69,000	S	S	S	S	S	S	S	S
Civil/architectural engineering	73,000	75,000	75,000	S	S	60,000	S	S	68,000	77,000	68,000
Male	75,000	75,000	75,000	S	S	S	S	S	75,000	82,000	74,000
Female	62,000	68,000	68,000	S	S	S	S	S	58,000	S	57,000
Electrical/computer engineering	90,000	90,000	90,000	50,000	74,000	43,000	43,000	S	84,000	88,000	S
Male	90,000	91,000	92,000	50,000	S	46,000	46,000	S	84,000	88,000	S
Female	80,000	80,000	80,000	S	S	S	S	S	S	S	S
Industrial engineering	80,000	80,000	80,000	S	S	S	S	S	79,000	S	S
Male	80,000	83,000	83,000	S	S	S	S	S	S	S	S
Female	79,000	70,000	70,000	S	S	S	S	S	S	S	S
Mechanical engineering	80,000	79,000	80,000	S	S	60,000	60,000	S	86,000	100,000	S
Male	80,000	80,000	80,000	S	S	60,000	60,000	S	86,000	100,000	S
Female	74,000	75,000	78,000	S	S	S	S	S	S	S	S
Other engineering	75,000	80,000	80,000	50,000	S	43,000	52,000	S	71,000	85,000	60,000
Male	80,000	80,000	80,000	S	S	43,000	43,000	S	75,000	88,000	65,000
Female	60,000	66,000	67,000	S	S	S	S	S	58,000	S	S
S&E-related fields	57,000	62,000	63,000	62,000	62,000	50,000	59,000	49,000	62,000	70,000	55,000
Male	65,000	73,000	70,000	65,000	85,000	52,000	59,000	51,000	70,000	77,000	65,000
Female	54,000	58,000	57,000	60,000	58,000	50,000	58,000	47,000	56,000	69,000	49,000
Health	58,000	61,000	61,000	70,000	61,000	50,000	61,000	45,000	60,000	70,000	52,000
Male	73,000	80,000	75,000	S	80,000	60,000	65,000	46,000	70,000	72,000	64,000
Female	55,000	58,000	57,000	60,000	58,000	50,000	61,000	45,000	55,000	69,000	49,000
Science/mathematics teacher education	50,000	40,000	45,000	S	S	50,000	S	50,000	S	S	S

TABLE 21. Median annual salaries of U.S. scientists and engineers, by level and field of highest degree, sex, and employment sector: 2003

(Dollars)

Level and field of highest degree and sex	Employed scientists and engineers	Business/industry				Educational institution			Government		
		Total	Profit	Self-employed	Nonprofit	Total	4-year college/university	Other	Total	Federal	State/local
Male	50,000	S	S	S	S	50,000	S	52,000	S	S	S
Female	50,000	S	S	S	S	50,000	S	50,000	S	S	S
Technology/technical fields	73,000	78,000	80,000	S	S	S	S	S	S	S	S
Male	73,000	77,000	78,000	S	S	S	S	S	S	S	S
Female	73,000	80,000	80,000	S	S	S	S	S	S	S	S
Other S&E-related fields	60,000	62,000	60,000	62,000	S	S	S	S	70,000	S	70,000
Male	65,000	65,000	60,000	65,000	S	S	S	S	70,000	S	70,000
Female	50,000	49,000	50,000	S	S	S	S	S	65,000	S	S
Non-S&E fields	63,000	78,000	85,000	50,000	50,000	48,000	45,000	50,000	63,000	80,000	56,000
Male	75,000	85,000	90,000	60,000	54,000	51,000	46,000	52,000	72,000	80,000	62,000
Female	50,000	60,000	70,000	40,000	46,000	46,000	42,000	48,000	53,000	70,000	50,000
Arts/humanities	57,000	62,000	60,000	S	S	50,000	45,000	53,000	50,000	S	S
Male	62,000	71,000	70,000	S	S	57,000	S	57,000	S	S	S
Female	50,000	50,000	50,000	S	S	48,000	53,000	47,000	S	S	S
Education, except science/mathematics education teacher	50,000	52,000	57,000	35,000	42,000	48,000	42,000	49,000	55,000	75,000	52,000
Male	53,000	55,000	60,000	S	S	51,000	45,000	52,000	65,000	S	60,000
Female	46,000	49,000	52,000	S	50,000	46,000	35,000	46,000	52,000	S	50,000
Management/administration	84,000	87,000	90,000	50,000	70,000	52,000	48,000	53,000	72,000	80,000	63,000
Male	90,000	92,000	94,000	50,000	78,000	60,000	65,000	53,000	75,000	85,000	63,000
Female	70,000	75,000	78,000	S	65,000	46,000	46,000	55,000	64,000	65,000	64,000
Sales/marketing	89,000	90,000	90,000	S	S	S	S	S	S	S	S
Male	90,000	90,000	91,000	S	S	S	S	S	S	S	S
Female	80,000	85,000	89,000	S	S	S	S	S	S	S	S
Social services/related	47,000	45,000	48,000	56,000	42,000	50,000	42,000	50,000	50,000	S	49,000
Male	50,000	50,000	57,000	70,000	47,000	47,000	S	48,000	54,000	S	51,000
Female	45,000	43,000	45,000	42,000	40,000	50,000	S	52,000	48,000	S	47,000
Other non-S&E fields	60,000	63,000	70,000	45,000	51,000	46,000	42,000	50,000	69,000	80,000	60,000
Male	68,000	74,000	75,000	S	63,000	46,000	46,000	S	80,000	80,000	78,000
Female	49,000	45,000	55,000	S	43,000	47,000	40,000	49,000	51,000	89,000	48,000
Doctorate degrees	77,000	95,000	100,000	80,000	68,000	65,000	65,000	61,000	80,000	89,000	67,000
Male	83,000	100,000	100,000	80,000	73,000	70,000	70,000	61,000	85,000	91,000	64,000
Female	63,000	77,000	83,000	75,000	62,000	57,000	57,000	55,000	72,000	76,000	72,000
S&E fields	80,000	97,000	100,000	84,000	76,000	65,000	65,000	56,000	82,000	89,000	65,000
Male	85,000	100,000	100,000	90,000	85,000	70,000	70,000	58,000	85,000	92,000	66,000

TABLE 21. Median annual salaries of U.S. scientists and engineers, by level and field of highest degree, sex, and employment sector: 2003
(Dollars)

Level and field of highest degree and sex	Employed scientists and engineers	Business/industry				Educational institution			Government		
		Total	Profit	Self-employed	Nonprofit	Total	4-year college/university	Other	Total	Federal	State/local
Female	65,000	82,000	88,000	80,000	62,000	55,000	55,000	55,000	72,000	76,000	65,000
Sciences	75,000	95,000	100,000	80,000	74,000	62,000	63,000	56,000	80,000	88,000	65,000
Male	80,000	100,000	100,000	88,000	83,000	67,000	68,000	58,000	85,000	91,000	67,000
Female	63,000	80,000	87,000	80,000	62,000	55,000	55,000	55,000	71,000	75,000	65,000
Biological/agricultural/environmental life sciences	72,000	90,000	97,000	75,000	70,000	60,000	60,000	50,000	75,000	79,000	60,000
Male	75,000	97,000	100,000	75,000	78,000	65,000	65,000	51,000	80,000	83,000	60,000
Female	60,000	82,000	87,000	S	56,000	50,000	51,000	48,000	63,000	67,000	55,000
Agricultural/food sciences	72,000	82,000	84,000	S	71,000	64,000	65,000	S	73,000	80,000	S
Male	74,000	83,000	84,000	S	S	70,000	70,000	S	74,000	80,000	S
Female	56,000	80,000	84,000	S	S	43,000	43,000	S	62,000	S	S
Biological sciences	72,000	93,000	100,000	70,000	70,000	60,000	60,000	49,000	75,000	78,000	60,000
Male	75,000	100,000	103,000	60,000	78,000	64,000	65,000	55,000	83,000	85,000	62,000
Female	60,000	82,000	88,000	S	56,000	51,000	52,000	46,000	62,000	66,000	53,000
Environmental life sciences	72,000	89,000	89,000	S	S	61,000	63,000	S	73,000	76,000	S
Male	74,000	91,000	90,000	S	S	72,000	72,000	S	75,000	80,000	S
Female	58,000	S	S	S	S	46,000	46,000	S	67,000	S	S
Computer/mathematical sciences	80,000	110,000	114,000	67,000	98,000	66,000	65,000	68,000	86,000	86,000	S
Male	85,000	111,000	115,000	S	100,000	71,000	72,000	68,000	100,000	101,000	S
Female	60,000	106,000	108,000	S	S	50,000	50,000	S	72,000	S	S
Computer/information sciences	95,000	115,000	115,000	S	S	76,000	76,000	S	94,000	S	S
Male	100,000	116,000	116,000	S	S	80,000	80,000	S	S	S	S
Female	79,000	108,000	108,000	S	S	66,000	68,000	S	S	S	S
Mathematical sciences	74,000	100,000	105,000	S	93,000	62,000	62,000	68,000	85,000	86,000	S
Male	78,000	100,000	104,000	S	97,000	68,000	69,000	S	100,000	97,000	S
Female	52,000	100,000	110,000	S	S	45,000	44,000	S	S	S	S
Physical/related sciences	85,000	97,000	98,000	72,000	96,000	63,000	64,000	53,000	93,000	100,000	61,000
Male	86,000	100,000	100,000	75,000	99,000	65,000	65,000	54,000	96,000	101,000	61,000
Female	70,000	85,000	85,000	S	58,000	54,000	55,000	51,000	78,000	83,000	S
Chemistry, except biochemistry	85,000	95,000	96,000	70,000	91,000	60,000	62,000	53,000	83,000	93,000	61,000
Male	87,000	99,000	100,000	70,000	91,000	64,000	64,000	55,000	85,000	97,000	62,000
Female	74,000	85,000	85,000	S	S	51,000	50,000	53,000	70,000	74,000	S
Earth/atmospheric/ocean sciences	75,000	88,000	90,000	S	60,000	63,000	64,000	S	85,000	96,000	55,000
Male	79,000	88,000	90,000	S	S	65,000	66,000	S	86,000	100,000	54,000
Female	61,000	90,000	90,000	S	S	58,000	58,000	S	71,000	S	S

TABLE 21. Median annual salaries of U.S. scientists and engineers, by level and field of highest degree, sex, and employment sector: 2003
(Dollars)

Level and field of highest degree and sex	Employed scientists and engineers	Business/industry				Educational institution			Government		
		Total	Profit	Self- employed	Nonprofit	Total	4-year college/ university	Other	Total	Federal	State/ local
Physics/astronomy	89,000	100,000	101,000	S	110,000	65,000	68,000	51,000	105,000	105,000	98,000
Male	90,000	102,000	103,000	S	110,000	67,000	70,000	51,000	105,000	107,000	S
Female	76,000	89,000	89,000	S	S	62,000	63,000	S	98,000	94,000	S
Other physical sciences	70,000	110,000	113,000	S	S	37,000	37,000	S	S	S	S
Male	71,000	110,000	S	S	S	S	S	S	S	S	S
Female	67,000	S	S	S	S	S	S	S	S	S	S
Social/related sciences	71,000	88,000	100,000	90,000	68,000	65,000	65,000	60,000	77,000	89,000	68,000
Male	78,000	100,000	104,000	100,000	75,000	70,000	70,000	62,000	80,000	90,000	70,000
Female	63,000	75,000	85,000	80,000	62,000	60,000	60,000	58,000	74,000	87,000	65,000
Economics	95,000	132,000	144,000	S	101,000	80,000	80,000	S	96,000	100,000	S
Male	96,000	140,000	150,000	S	S	84,000	85,000	S	95,000	100,000	S
Female	84,000	105,000	120,000	S	S	71,000	72,000	S	100,000	104,000	S
Political/related sciences	63,000	82,000	90,000	52,000	63,000	60,000	60,000	48,000	85,000	100,000	73,000
Male	65,000	75,000	84,000	S	S	60,000	61,000	S	94,000	104,000	73,000
Female	60,000	100,000	100,000	S	S	59,000	58,000	S	S	S	S
Psychology	71,000	83,000	90,000	95,000	68,000	63,000	63,000	64,000	73,000	87,000	68,000
Male	80,000	92,000	98,000	105,000	75,000	70,000	70,000	70,000	75,000	88,000	70,000
Female	64,000	74,000	80,000	80,000	61,000	60,000	60,000	60,000	70,000	86,000	65,000
Sociology/anthropology	62,000	67,000	85,000	53,000	62,000	60,000	60,000	52,000	73,000	84,000	60,000
Male	67,000	80,000	92,000	S	55,000	65,000	66,000	S	73,000	85,000	64,000
Female	60,000	62,000	73,000	S	62,000	56,000	55,000	S	72,000	78,000	S
Other social sciences	68,000	90,000	100,000	S	79,000	62,000	63,000	60,000	75,000	80,000	65,000
Male	70,000	100,000	109,000	S	S	64,000	65,000	60,000	75,000	S	S
Female	63,000	80,000	83,000	S	S	60,000	61,000	57,000	73,000	S	S
Engineering	94,000	100,000	100,000	95,000	101,000	80,000	80,000	48,000	89,000	95,000	66,000
Male	95,000	100,000	100,000	100,000	101,000	82,000	83,000	50,000	90,000	95,000	66,000
Female	80,000	90,000	92,000	S	S	65,000	65,000	S	79,000	80,000	S
Aerospace/related engineering	85,000	83,000	81,000	S	S	77,000	77,000	S	96,000	92,000	S
Male	86,000	83,000	81,000	S	S	85,000	78,000	S	100,000	96,000	S
Female	S	S	S	S	S	S	S	S	S	S	S
Chemical engineering	95,000	100,000	100,000	S	S	80,000	81,000	S	54,000	95,000	S
Male	98,000	100,000	100,000	S	S	86,000	86,000	S	54,000	S	S
Female	80,000	87,000	87,000	S	S	S	S	S	S	S	S
Civil/architectural engineering	81,000	89,000	85,000	S	S	76,000	76,000	S	81,000	91,000	S

TABLE 21. Median annual salaries of U.S. scientists and engineers, by level and field of highest degree, sex, and employment sector: 2003
(Dollars)

Level and field of highest degree and sex	Employed scientists and engineers	Business/industry				Educational institution			Government		
		Total	Profit	Self-employed	Nonprofit	Total	4-year college/university	Other	Total	Federal	State/local
Male	82,000	90,000	85,000	S	S	78,000	78,000	S	81,000	92,000	S
Female	62,000	S	S	S	S	S	S	S	S	S	S
Electrical/computer engineering	100,000	107,000	110,000	70,000	105,000	83,000	84,000	S	95,000	95,000	S
Male	100,000	110,000	110,000	70,000	105,000	84,000	84,000	S	97,000	95,000	S
Female	95,000	100,000	100,000	S	S	78,000	78,000	S	S	S	S
Industrial engineering	84,000	94,000	94,000	S	S	76,000	79,000	S	S	S	S
Male	88,000	94,000	94,000	S	S	76,000	80,000	S	S	S	S
Female	80,000	S	S	S	S	75,000	75,000	S	S	S	S
Mechanical engineering	90,000	94,000	94,000	S	S	82,000	82,000	S	95,000	95,000	S
Male	91,000	95,000	95,000	S	S	82,000	84,000	S	95,000	95,000	S
Female	71,000	S	S	S	S	S	S	S	S	S	S
Other engineering	90,000	96,000	97,000	90,000	84,000	81,000	82,000	S	89,000	95,000	70,000
Male	92,000	99,000	100,000	105,000	84,000	84,000	85,000	S	89,000	95,000	70,000
Female	80,000	86,000	86,000	S	S	65,000	65,000	S	S	S	S
S&E-related fields	72,000	90,000	98,000	70,000	65,000	65,000	65,000	55,000	72,000	86,000	72,000
Male	90,000	100,000	120,000	S	95,000	66,000	67,000	S	82,000	96,000	S
Female	62,000	50,000	48,000	S	55,000	60,000	61,000	55,000	72,000	80,000	72,000
Health	72,000	80,000	85,000	70,000	65,000	68,000	69,000	56,000	72,000	85,000	72,000
Male	85,000	100,000	120,000	S	95,000	73,000	75,000	S	82,000	93,000	S
Female	64,000	50,000	48,000	S	55,000	64,000	63,000	S	72,000	80,000	72,000
Science/mathematics teacher education	61,000	S	S	S	S	61,000	63,000	S	S	S	S
Male	S	S	S	S	S	S	S	S	S	S	S
Female	S	S	S	S	S	S	S	S	S	S	S
Technology/technical fields	100,000	S	S	S	S	S	S	S	S	S	S
Male	100,000	S	S	S	S	S	S	S	S	S	S
Female	S	S	S	S	S	S	S	S	S	S	S
Other S&E-related fields	S	S	S	S	S	S	S	S	S	S	S
Male	S	S	S	S	S	S	S	S	S	S	S
Female	S	S	S	S	S	S	S	S	S	S	S
Non-S&E fields	65,000	68,000	90,000	S	60,000	64,000	65,000	61,000	71,000	S	S
Male	71,000	72,000	100,000	S	63,000	71,000	72,000	70,000	S	S	S
Female	60,000	60,000	S	S	S	60,000	60,000	55,000	S	S	S
Arts/humanities	62,000	S	S	S	S	63,000	63,000	S	S	S	S
Male	63,000	S	S	S	S	63,000	63,000	S	S	S	S

TABLE 21. Median annual salaries of U.S. scientists and engineers, by level and field of highest degree, sex, and employment sector: 2003
(Dollars)

Level and field of highest degree and sex	Employed scientists and engineers	Business/industry				Educational institution			Government		
		Total	Profit	Self- employed	Nonprofit	Total	4-year college/ university	Other	Total	Federal	State/ local
Female	50,000	S	S	S	S	50,000	50,000	S	S	S	S
Education, except science/mathematics education teacher	65,000	67,000	S	S	S	65,000	67,000	63,000	S	S	S
Male	80,000	S	S	S	S	80,000	80,000	88,000	S	S	S
Female	60,000	S	S	S	S	60,000	60,000	55,000	S	S	S
Management/administration	85,000	S	S	S	S	88,000	90,000	S	S	S	S
Male	80,000	S	S	S	S	85,000	85,000	S	S	S	S
Female	S	S	S	S	S	S	S	S	S	S	S
Sales/marketing	S	S	S	S	S	S	S	S	S	S	S
Male	S	S	S	S	S	S	S	S	S	S	S
Female	S	S	S	S	S	S	S	S	S	S	S
Social services/related	55,000	63,000	S	S	62,000	50,000	53,000	S	S	S	S
Male	50,000	63,000	S	S	S	45,000	52,000	S	S	S	S
Female	60,000	S	S	S	S	S	S	S	S	S	S
Other non-S&E fields	71,000	97,000	S	S	S	60,000	60,000	S	S	S	S
Male	90,000	S	S	S	S	65,000	71,000	S	S	S	S
Female	59,000	S	S	S	S	54,000	S	S	S	S	S

S = suppressed for reliability or confidentiality.

S&E = science and engineering.

^a 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. Four-year college/university includes medical schools and university-affiliated research institutes. Other educational institution includes 2-year colleges, precollege institutions, and other educational institutions. 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.