

TABLE A-13. Standard errors for median annual salaries of employed U.S. scientists and engineers, by level and field of highest degree, sex, ethnicity, and race: 2008

Level and field of highest degree	Not Hispanic or Latino								
	Sex		Hispanic or Latino	American Indian or Alaska Native	Asian	Black or African American	White	Other ^a	
	Male	Female							
All degree levels and fields ^b	1,000	500	500	500	4,500	500	500	500	2,000
S&E fields	500	1,000	1,000	1,500	11,500	1,500	1,500	500	4,500
Sciences	1,000	1,000	500	1,500	4,500	2,000	2,000	1,500	2,000
Biological/agricultural/environmental life sciences	1,000	1,500	3,000	3,000	3,500	3,000	3,000	1,000	3,500
Agricultural sciences	3,000	3,500	1,500	13,500	12,000	10,500	6,000	6,500	18,500
Biological sciences	1,000	2,500	1,000	3,500	S	5,500	3,000	2,000	10,500
Environmental life sciences	2,000	4,000	4,000	12,000	S	11,000	18,000	1,500	S
Computer/mathematical sciences	2,000	1,000	2,000	4,000	3,000	3,000	5,000	2,000	13,000
Computer/information sciences	500	2,500	7,000	5,500	3,500	500	3,500	1,500	4,500
Mathematics/statistics	2,500	3,500	3,500	9,500	10,500	2,500	2,500	3,000	S
Physical/related sciences	1,500	2,500	1,500	6,500	21,500	3,000	9,500	3,000	3,000
Chemistry, except biochemistry	3,000	3,000	4,000	6,500	15,000	4,000	2,000	3,500	16,000
Earth/atmospheric/ocean sciences	1,500	3,500	5,000	13,500	6,500	4,000	15,500	2,000	16,000
Physics/astronomy	4,500	4,000	7,000	15,000	D	5,000	9,000	2,500	14,500
Other physical sciences	4,000	8,500	7,000	11,000	D	16,000	D	3,500	S
Social/related sciences	1,500	1,000	1,000	2,000	4,000	2,000	1,000	500	2,000
Economics	6,000	2,500	3,500	10,500	D	5,500	11,000	3,000	9,500
Political/related sciences	2,000	3,000	2,000	8,500	D	5,000	4,500	1,500	4,500
Psychology	500	2,000	2,500	2,500	4,500	4,000	2,500	500	2,000
Sociology/anthropology	1,500	3,500	2,000	3,000	S	4,500	4,000	2,000	4,000
Other social sciences	1,000	3,500	1,500	3,000	6,500	7,000	3,500	1,000	11,500
Engineering	1,000	500	500	2,000	23,000	1,500	2,500	500	4,000
Aerospace/aeronautical/astronautical engineering	6,000	6,000	16,000	13,000	D	5,500	28,500	2,500	16,000
Chemical engineering	3,000	1,000	4,000	6,500	D	7,000	5,500	1,000	17,000
Civil/architectural engineering	1,500	3,000	3,500	6,500	12,500	2,500	5,500	2,500	10,000
Electrical/computer engineering	1,500	1,500	3,000	3,500	D	1,000	4,500	1,500	4,500
Industrial engineering	1,000	2,500	5,000	3,500	D	6,500	21,000	2,500	26,500
Mechanical engineering	1,500	4,000	5,000	3,500	20,000	1,500	3,000	1,500	11,000
Other engineering	2,000	2,000	3,000	10,000	10,500	1,500	8,000	1,500	4,000
S&E-related fields	1,500	1,500	1,000	2,000	17,000	1,000	2,500	1,500	4,500
Health	1,500	6,000	2,000	1,000	21,000	3,000	2,500	1,500	5,500
Science/mathematics teacher education	500	2,500	1,500	9,000	D	8,500	5,500	2,000	10,000
Technology/technical fields	3,000	2,500	4,500	6,000	D	5,000	5,000	3,500	19,000
Other S&E-related fields	3,000	1,500	3,500	6,500	D	5,500	11,000	3,000	6,000
Non-S&E fields	2,500	500	2,500	2,000	3,000	3,500	1,500	2,000	3,500
Arts/humanities	2,500	4,000	2,000	4,000	D	4,000	19,000	2,500	3,500
Education, except science/mathematics teacher education	2,000	500	500	3,000	2,500	5,000	4,000	2,500	10,000
Management/administration	2,000	2,000	3,000	5,000	5,500	2,500	5,000	2,000	10,500
Sales/marketing	4,000	3,500	6,000	19,500	D	6,500	21,000	5,500	D
Social services/related	1,000	4,000	3,000	3,000	8,500	5,500	4,000	2,000	12,000
Other non-S&E fields	3,000	3,000	1,500	9,000	10,500	6,500	7,000	2,000	11,500
Bachelor's degrees	500	1,000	1,500	1,500	4,500	2,000	1,000	500	2,000
S&E fields	500	3,000	500	2,000	7,000	1,000	1,000	500	2,000

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Level and field of highest degree		Not Hispanic or Latino							
		Sex		Hispanic or Latino	American Indian or Alaska Native	Asian	Black or African American	White	Other ^a
		Male	Female						
Sciences	500	1,500	1,000	1,500	6,000	1,500	1,500	1,500	2,000
Biological/agricultural/environmental life sciences	1,500	2,500	500	4,000	3,000	2,500	5,500	500	10,500
Agricultural sciences	1,500	3,000	5,500	13,000	1,500	1,000	18,000	1,500	D
Biological sciences	1,000	3,000	1,500	5,000	21,000	3,500	3,000	500	6,500
Environmental life sciences	2,000	4,000	4,500	D	S	S	S	2,000	S
Computer/mathematical sciences	1,000	1,500	2,500	4,000	7,500	4,500	5,000	2,000	13,500
Computer/information sciences	1,500	2,000	2,500	5,000	7,500	4,000	5,500	2,500	12,000
Mathematics/statistics	2,500	3,000	4,500	12,500	D	6,500	3,500	4,000	S
Physical/related sciences	1,500	4,000	2,500	5,000	19,000	5,500	13,500	3,500	6,500
Chemistry, except biochemistry	2,000	2,500	2,500	4,500	9,000	9,500	3,000	4,500	6,000
Earth/atmospheric/ocean sciences	5,500	5,500	3,500	12,500	17,000	20,000	21,500	5,500	D
Physics/astronomy	5,500	7,500	S	36,500	D	10,000	17,000	9,000	20,500
Other physical sciences	3,500	10,000	6,500	12,500	D	D	D	4,500	D
Social/related sciences	500	2,500	1,000	1,000	3,500	2,500	1,500	1,000	3,000
Economics	3,500	3,500	3,500	7,000	D	8,500	12,500	4,000	10,500
Political/related sciences	3,500	3,500	2,000	8,000	9,500	7,500	4,000	4,000	2,500
Psychology	500	3,500	2,000	3,000	5,000	500	2,000	2,000	2,000
Sociology/anthropology	3,500	2,500	2,500	5,000	S	3,500	5,000	4,500	4,500
Other social sciences	1,000	3,000	2,000	4,500	2,000	3,500	2,000	1,500	8,000
Engineering	1,500	1,000	2,500	2,000	11,500	3,000	3,500	2,000	3,000
Aerospace/aeronautical/astronautical engineering	7,000	7,500	D	23,000	D	3,500	D	8,000	32,000
Chemical engineering	2,500	4,500	3,500	7,500	D	5,000	7,500	4,500	18,000
Civil/architectural engineering	3,000	2,000	3,500	7,500	11,000	7,500	7,500	1,500	11,000
Electrical/computer engineering	4,000	1,000	4,500	3,500	D	3,500	5,000	2,000	4,000
Industrial engineering	4,000	2,500	6,500	3,000	D	3,000	18,500	1,500	28,000
Mechanical engineering	2,000	1,000	4,000	2,500	20,500	5,000	8,000	3,500	6,500
Other engineering	2,000	500	3,000	3,000	D	6,500	6,500	500	7,000
S&E-related fields	1,500	2,500	2,500	2,500	10,500	1,500	4,000	1,500	4,000
Health	1,000	4,500	1,500	1,000	3,000	1,500	4,000	2,500	3,000
Science/mathematics teacher education	4,500	6,000	3,500	6,500	D	D	6,000	5,000	D
Technology/technical fields	2,500	3,000	5,000	6,000	D	5,500	6,000	3,500	18,500
Other S&E-related fields	3,000	5,000	5,500	9,500	D	6,500	13,000	4,000	5,500
Non-S&E fields	2,000	2,500	2,500	6,000	12,000	9,500	5,000	2,000	8,000
Arts/humanities	3,500	4,000	3,500	11,500	D	23,500	26,000	3,000	8,500
Education, except science/mathematics teacher education	3,000	1,500	3,000	17,500	D	S	6,500	3,500	D
Management/administration	2,000	2,000	2,000	3,500	D	12,500	2,500	4,000	4,000
Sales/marketing	8,000	6,500	17,000	D	D	D	D	9,000	D
Social services/related	5,000	15,000	4,500	D	D	D	16,000	5,000	D
Other non-S&E fields	3,000	5,000	5,000	8,000	D	12,000	5,000	4,500	12,500
Master's degrees	500	1,500	1,000	1,500	2,500	2,500	1,000	1,500	2,000
S&E fields	500	4,000	1,500	3,500	4,000	2,000	2,500	2,000	6,000
Sciences	500	1,000	1,500	4,000	5,500	500	4,500	1,500	4,000
Biological/agricultural/environmental life sciences	3,500	2,500	1,000	4,000	9,500	5,500	7,000	4,000	4,000
Agricultural sciences	7,500	3,500	2,000	10,500	D	18,000	D	8,000	4,500

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Level and field of highest degree	Not Hispanic or Latino								
	Sex		Hispanic or Latino	American Indian or Alaska Native	Asian	Black or African American	White	Other ^a	
	Male	Female							
Biological sciences	7,000	1,500	1,500	6,000	D	4,500	13,500	5,000	8,000
Environmental life sciences	6,000	5,500	11,000	2,500	D	D	4,000	5,500	3,500
Computer/mathematical sciences	2,000	2,000	2,500	9,000	4,000	1,500	4,000	2,000	7,000
Computer/information sciences	1,000	2,500	1,000	9,000	D	500	8,000	3,500	8,500
Mathematics/statistics	4,500	5,000	5,000	10,000	D	7,500	9,500	6,000	S
Physical/related sciences	4,500	2,500	5,500	18,000	D	6,000	15,000	3,500	17,500
Chemistry, except biochemistry	4,500	12,500	7,500	8,000	D	9,500	S	4,500	10,000
Earth/atmospheric/ocean sciences	5,000	4,500	5,000	1,500	D	10,000	5,500	5,500	22,000
Physics/astronomy	2,500	4,000	17,500	S	D	10,500	14,500	7,000	D
Other physical sciences	13,000	15,500	S	D	D	D	5,000	S	D
Social/related sciences	1,500	1,500	500	3,500	14,500	9,500	6,000	3,500	4,500
Economics	7,500	13,000	11,500	15,000	D	9,500	3,000	14,500	S
Political/related sciences	4,000	5,000	3,500	25,000	D	8,500	12,500	4,000	D
Psychology	500	4,000	2,500	3,000	D	5,000	3,000	500	5,000
Sociology/anthropology	6,000	6,000	4,000	23,000	D	4,500	11,500	9,000	S
Other social sciences	4,000	3,500	2,500	2,000	6,000	7,500	3,000	7,000	15,000
Engineering	2,500	1,000	2,500	11,000	19,500	1,500	3,000	1,500	3,500
Aerospace/aeronautical/astronautical engineering	6,500	7,500	20,000	9,500	D	D	2,000	2,000	9,000
Chemical engineering	5,500	3,500	10,000	1,000	D	10,000	6,000	6,000	1,500
Civil/architectural engineering	3,000	2,500	10,500	10,500	D	2,500	6,500	3,500	11,000
Electrical/computer engineering	500	2,000	4,500	10,000	D	2,000	3,000	4,000	7,000
Industrial engineering	4,500	4,500	14,500	13,500	D	5,000	S	8,500	D
Mechanical engineering	3,500	4,000	6,000	9,000	D	3,500	7,000	5,000	21,500
Other engineering	3,000	3,000	5,000	12,000	D	500	5,000	4,000	13,000
S&E-related fields	1,000	2,500	500	4,000	10,500	1,000	1,500	2,000	6,000
Health	2,000	6,500	3,500	6,000	22,500	500	3,500	2,500	6,500
Science/mathematics teacher education	2,500	4,000	3,500	6,000	D	5,000	8,000	3,000	6,000
Technology/technical fields	7,000	6,000	3,500	7,000	D	6,000	11,500	10,000	D
Other S&E-related fields	4,000	5,500	5,500	14,000	D	11,500	8,000	2,500	D
Non-S&E fields	2,000	2,500	1,000	4,500	3,000	3,000	3,000	2,000	4,000
Arts/humanities	3,500	2,000	5,500	3,000	D	5,000	D	4,000	9,000
Education, except science/mathematics teacher education	1,500	500	1,000	3,000	3,500	2,500	4,000	1,500	12,000
Management/administration	3,500	2,500	3,500	5,500	7,500	1,000	3,500	500	16,000
Sales/marketing	4,000	6,000	9,000	29,000	D	8,000	11,500	3,500	D
Social services/related	1,500	4,000	2,000	3,500	8,500	5,500	4,000	1,000	3,000
Other non-S&E fields	2,500	5,500	3,000	4,500	D	7,000	3,000	3,000	2,500
Doctoral degrees	1,500	1,000	1,500	4,000	7,500	3,000	2,500	1,000	4,500
S&E fields	1,000	500	1,500	1,500	6,000	1,000	4,000	1,000	3,000
Sciences	1,000	500	500	4,000	6,000	3,500	3,500	1,500	5,000
Biological/agricultural/environmental life sciences	500	2,000	2,000	3,000	14,500	5,000	8,500	2,000	8,000
Agricultural sciences	2,500	3,500	5,000	2,500	D	5,500	9,000	3,500	9,500
Biological sciences	3,000	2,000	2,000	4,000	15,500	3,000	6,500	2,500	8,000
Environmental life sciences	6,000	4,500	4,500	10,000	D	4,000	6,500	6,000	D

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Level and field of highest degree	Not Hispanic or Latino								
	Sex		Hispanic or Latino	American Indian or Alaska Native	Asian	Black or African American	White	Other ^a	
	Male	Female							
Computer/mathematical sciences	3,500	3,000	3,000	9,500	D	5,000	11,500	3,500	23,500
Computer/information sciences	5,500	5,500	7,000	24,500	D	2,500	28,000	6,500	22,500
Mathematics/statistics	2,500	2,000	1,500	12,000	D	2,500	8,500	2,500	S
Physical/related sciences	2,000	500	2,500	6,500	21,500	3,500	4,000	500	13,500
Chemistry, except biochemistry	500	2,500	2,500	6,500	33,500	3,000	16,500	1,000	18,500
Earth/atmospheric/ocean sciences	3,000	3,000	4,500	12,000	D	8,500	1,500	3,500	15,000
Physics/astronomy	500	1,500	5,500	15,000	D	4,000	7,000	2,500	13,500
Other physical sciences	7,500	6,500	5,000	D	D	19,000	D	9,000	D
Social/related sciences	2,000	2,000	500	3,000	5,500	4,000	2,500	500	3,500
Economics	3,500	2,500	8,000	5,000	D	3,500	13,500	3,000	25,500
Political/related sciences	5,500	5,000	2,500	6,500	D	4,500	4,000	4,000	10,000
Psychology	1,500	3,000	2,500	4,500	5,000	10,000	1,500	2,500	4,000
Sociology/anthropology	1,500	3,500	2,000	5,000	D	2,500	6,000	2,000	8,000
Other social sciences	2,500	4,000	4,000	5,000	7,500	9,000	5,000	4,000	6,000
Engineering	500	1,500	6,000	3,500	21,000	500	7,500	1,500	6,500
Aerospace/aeronautical/astronautical engineering	6,000	6,500	6,000	13,500	D	12,000	D	8,500	D
Chemical engineering	4,500	4,500	6,500	6,000	D	3,000	9,000	7,000	14,000
Civil/architectural engineering	3,000	2,500	3,500	9,500	D	4,500	4,000	4,000	D
Electrical/computer engineering	4,500	3,500	2,500	2,500	D	1,000	8,500	1,000	26,500
Industrial engineering	2,000	2,000	4,500	13,000	D	4,500	8,500	4,000	D
Mechanical engineering	2,500	3,500	8,000	9,000	D	3,000	20,000	5,000	D
Other engineering	2,500	3,500	4,000	8,000	D	500	10,500	3,000	18,500
S&E-related fields	5,000	3,000	4,500	9,000	9,000	8,500	9,000	6,000	17,500
Health	1,500	6,500	5,000	9,000	9,000	7,000	11,500	3,500	24,500
Science/mathematics teacher education	4,000	8,500	4,000	D	D	D	9,000	5,000	D
Technology/technical fields	3,000	4,000	D	D	D	3,000	D	28,000	D
Other S&E-related fields	D	D	24,000	D	D	D	D	D	D
Non-S&E fields	2,500	7,000	2,500	7,000	D	10,000	6,500	2,500	9,000
Arts/humanities	4,500	11,500	10,500	D	D	D	D	6,500	D
Education, except science/mathematics teacher education	3,000	8,000	2,000	5,500	D	31,000	8,500	3,500	12,500
Management/administration	16,000	16,000	S	D	D	37,500	D	12,500	D
Sales/marketing	5,000	D	D	D	D	D	D	D	D
Social services/related	7,000	9,500	9,000	D	D	18,000	5,000	9,500	D
Other non-S&E fields	11,000	24,500	7,000	8,000	D	19,000	D	13,500	D

D = standard error is not computed when value is suppressed to avoid disclosure of confidential information. S = suppressed; data cell not published.

S&E = science and engineering.

^a "Other" includes Native Hawaiian or Other Pacific Islander and Not Hispanic or Latino respondents reporting two or more races.

^b Total includes professional degrees not broken out separately.

NOTES: Scientists and engineers include any person who has ever received bachelor's or higher degree in S&E or S&E-related field through 30 June 2007, plus any person holding non-S&E bachelor's or higher degree who was employed in S&E or S&E-related occupation on 1 October 2003. See <http://sestat.nsf.gov/docs/ed03maj.html> for detailed description of educational field classification. Standard errors are rounded up to nearest 500.

SOURCE: National Science Foundation/National Center for Science and Engineering Statistics, Scientists and Engineers Statistical Data System (SESTAT): 2008.