

TABLE A-12. Standard errors for median annual salaries of employed U.S. scientists and engineers, by level and broad field of highest degree, employment sector, and primary/secondary work activity: 2008

Level and field of highest degree and employment sector	Employed scientists and engineers	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, administration	Computer applications	Other
All degree levels and fields ^a	1,000	500	1,500	500	500	500
Business/industry	1,500	500	1,000	2,000	1,000	1,500
4-year college/university	1,000	1,500	2,000	1,500	2,500	2,000
Other educational institution	1,000	1,500	1,000	1,500	6,000	1,500
Government	1,500	500	2,500	500	1,500	500
S&E fields	500	2,000	2,000	1,500	500	1,000
Business/industry	500	500	4,000	1,000	1,000	2,500
4-year college/university	1,000	1,500	1,000	2,500	3,000	1,500
Other educational institution	1,000	3,500	500	2,500	10,000	2,000
Government	1,500	500	4,500	1,000	1,500	2,000
Sciences	1,000	1,500	1,000	500	2,000	1,000
Business/industry	500	500	500	500	1,500	1,500
4-year college/university	1,000	1,500	3,500	2,000	3,000	1,000
Other educational institution	3,500	3,500	500	1,500	6,500	2,000
Government	500	2,500	4,500	2,000	3,000	1,000
Biological/agricultural/environmental life sciences	1,000	1,500	4,500	2,000	3,500	3,000
Business/industry	3,500	4,000	4,000	3,000	8,000	3,000
4-year college/university	1,500	2,500	2,000	4,500	7,000	2,000
Other educational institution	2,500	6,000	4,000	3,500	6,500	S
Government	2,500	3,000	8,000	1,500	3,500	1,500
Agricultural/food sciences	3,000	4,500	8,000	1,500	4,000	1,500
Business/industry	4,000	5,500	20,500	4,000	6,500	1,000
4-year college/university	3,000	3,000	11,000	9,000	1,500	24,500
Other educational institution	14,000	D	15,500	2,500	D	3,500
Government	5,000	4,500	S	7,000	D	8,000
Biological sciences	1,000	1,500	2,500	1,500	2,000	500
Business/industry	2,000	2,000	3,500	3,000	6,000	1,000
4-year college/university	4,500	2,000	2,000	2,000	8,000	1,500
Other educational institution	4,000	6,500	4,000	8,500	D	8,500
Government	4,000	4,000	7,000	2,000	11,000	2,500
Environmental life sciences	2,000	4,000	6,500	4,500	4,500	6,000
Business/industry	2,500	1,500	D	5,000	13,000	5,500
4-year college/university	8,000	5,000	1,500	2,000	5,000	S
Other educational institution	4,000	10,500	4,500	3,000	D	D
Government	2,500	6,500	5,500	3,000	6,500	6,500
Computer/mathematical sciences	2,000	500	1,000	500	1,000	3,000
Business/industry	1,500	500	4,000	1,500	1,500	2,500
4-year college/university	2,000	2,000	2,500	2,000	3,500	3,500
Other educational institution	3,000	6,000	1,500	4,000	8,500	2,000
Government	4,000	2,500	11,500	5,000	4,500	2,500
Computer/information sciences	500	1,000	3,500	2,000	2,000	4,500
Business/industry	2,000	1,000	13,000	3,000	1,500	4,500
4-year college/university	2,500	11,500	5,500	5,500	3,000	6,500
Other educational institution	2,000	20,000	5,500	16,000	11,500	6,500
Government	2,500	4,000	15,500	4,000	4,000	4,000
Mathematical sciences	2,500	6,000	3,500	3,500	1,000	4,500
Business/industry	3,500	3,500	S	4,500	3,000	5,500
4-year college/university	2,500	1,500	4,000	3,500	9,000	11,000
Other educational institution	2,500	5,500	1,000	3,500	10,000	7,000
Government	5,500	4,000	27,500	5,500	5,500	9,500

TABLE A-12. Standard errors for median annual salaries of employed U.S. scientists and engineers, by level and broad field of highest degree, employment sector, and primary/secondary work activity: 2008

Level and field of highest degree and employment sector	Employed scientists and engineers	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, administration	Computer applications	Other
Physical/related sciences	1,500	2,500	2,500	2,500	3,500	3,000
Business/industry	1,000	2,000	19,000	5,000	5,000	4,000
4-year college/university	4,500	2,000	4,500	9,000	5,500	2,000
Other educational institution	3,000	11,000	3,000	7,500	S	8,000
Government	3,500	5,000	5,500	6,500	13,000	4,500
Chemistry, except biochemistry	3,000	3,000	6,500	3,500	5,500	4,500
Business/industry	3,000	2,000	S	3,500	5,000	4,500
4-year college/university	3,500	3,000	1,500	11,000	10,000	6,500
Other educational institution	3,500	10,500	5,000	13,000	7,000	S
Government	4,000	8,500	7,500	6,000	6,500	11,000
Earth/atmospheric/ocean sciences	1,500	4,000	5,500	4,500	7,000	3,500
Business/industry	7,500	3,500	5,500	6,500	7,000	6,000
4-year college/university	5,000	1,000	4,500	17,000	3,000	7,000
Other educational institution	3,000	8,000	2,000	19,000	D	D
Government	6,000	4,500	5,000	6,500	20,500	4,500
Physics/astronomy	4,500	3,500	3,000	3,500	7,000	9,000
Business/industry	4,500	3,500	7,500	6,000	5,000	15,000
4-year college/university	2,000	2,000	4,000	8,000	5,000	11,500
Other educational institution	6,000	S	4,500	4,500	23,500	D
Government	13,000	1,500	4,500	10,500	11,000	10,000
Other physical sciences	4,000	4,500	18,500	16,000	7,000	20,000
Business/industry	18,500	16,000	S	25,500	9,500	19,500
4-year college/university	1,000	3,000	12,000	1,000	S	D
Other educational institution	8,000	10,000	18,500	500	D	D
Government	20,000	4,500	D	7,500	6,500	S
Social/related sciences	1,500	1,000	500	1,500	4,500	500
Business/industry	500	2,000	2,500	2,000	3,000	2,000
4-year college/university	5,500	6,000	3,000	3,500	9,000	6,500
Other educational institution	1,500	2,000	1,500	1,500	13,500	2,500
Government	2,000	1,500	6,000	2,500	3,500	1,000
Economics	6,000	5,500	7,000	2,500	6,500	2,000
Business/industry	2,500	5,500	S	3,500	9,500	3,500
4-year college/university	8,000	7,000	5,500	5,500	21,000	15,500
Other educational institution	4,000	D	2,500	12,000	D	S
Government	5,500	4,000	D	5,500	14,000	8,000
Political/related sciences	2,000	4,000	2,500	3,500	15,500	4,500
Business/industry	1,000	3,500	3,500	3,000	6,500	4,500
4-year college/university	4,000	7,000	2,500	11,500	S	10,500
Other educational institution	5,000	6,500	4,000	7,500	D	S
Government	2,500	4,500	4,500	5,500	4,500	6,000
Psychology	500	2,500	500	2,000	4,000	1,500
Business/industry	2,000	6,000	3,000	500	4,000	4,000
4-year college/university	1,500	5,500	1,500	5,000	17,500	4,000
Other educational institution	1,500	1,500	1,000	3,000	14,500	1,500
Government	1,500	7,000	3,500	2,500	4,000	2,500
Sociology/anthropology	1,500	2,500	2,500	2,000	11,000	1,000
Business/industry	1,000	5,000	4,000	2,000	8,000	4,000
4-year college/university	9,500	1,000	4,500	3,500	S	4,500
Other educational institution	2,500	6,000	7,500	2,500	D	S
Government	4,500	5,000	9,500	3,000	18,500	4,000

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Level and field of highest degree and employment sector	Employed scientists and engineers	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, administration	Computer applications	Other
Other social sciences	1,000	3,000	2,500	2,500	3,500	1,500
Business/industry	2,000	2,000	3,000	3,000	14,500	3,000
4-year college/university	5,500	5,500	6,000	4,000	6,000	500
Other educational institution	3,000	4,500	3,500	2,000	4,000	7,000
Government	4,500	10,500	20,000	6,500	3,500	3,000
Engineering	1,000	1,500	4,000	2,500	500	500
Business/industry	500	500	8,500	2,500	2,000	500
4-year college/university	2,000	4,500	4,000	4,500	5,000	2,500
Other educational institution	4,500	5,000	1,000	16,000	22,000	14,000
Government	2,500	3,000	10,000	2,000	4,500	4,000
Aerospace/related engineering	6,000	3,500	15,500	4,500	7,500	11,500
Business/industry	4,500	4,500	D	6,000	7,000	15,500
4-year college/university	9,000	S	14,500	S	3,500	5,500
Other educational institution	12,000	D	12,000	D	D	D
Government	10,000	4,000	8,000	12,500	12,000	5,500
Chemical engineering	3,000	3,500	7,500	3,000	4,000	6,500
Business/industry	1,500	4,000	S	4,500	3,000	5,500
4-year college/university	2,000	6,500	S	S	9,000	S
Other educational institution	3,000	D	3,000	D	D	D
Government	6,500	11,500	D	13,000	8,500	18,500
Civil/architectural engineering	1,500	3,000	5,000	2,000	5,000	2,500
Business/industry	1,500	1,000	6,000	4,000	4,500	3,500
4-year college/university	10,500	8,000	2,000	500	27,500	11,500
Other educational institution	17,000	D	5,000	S	D	D
Government	4,000	3,000	3,000	1,000	6,000	9,500
Electrical/computer engineering	1,500	1,500	6,500	2,000	1,500	4,500
Business/industry	1,500	1,000	10,500	2,000	2,000	3,000
4-year college/university	3,500	4,500	9,000	5,000	7,000	S
Other educational institution	4,000	S	5,000	1,500	14,000	5,500
Government	5,000	3,500	D	5,500	6,500	11,500
Industrial engineering	1,000	2,000	11,000	2,500	10,000	5,000
Business/industry	2,500	3,500	3,000	2,500	13,000	5,000
4-year college/university	8,500	9,500	16,500	5,000	10,500	18,000
Other educational institution	5,500	D	5,500	7,000	D	D
Government	10,000	7,000	D	10,500	S	D
Mechanical engineering	1,500	1,000	8,000	2,500	4,500	3,500
Business/industry	2,500	1,500	22,500	2,500	4,500	3,500
4-year college/university	7,000	11,000	12,500	7,000	D	19,000
Other educational institution	17,500	7,500	D	2,500	D	D
Government	4,000	5,500	10,500	3,500	12,500	5,000
Other engineering	2,000	2,500	18,500	2,500	4,500	3,000
Business/industry	1,500	1,000	12,500	2,000	6,500	4,000
4-year college/university	4,500	3,500	8,000	10,000	20,500	1,500
Other educational institution	10,000	D	8,500	32,500	D	D
Government	3,000	5,500	11,500	4,500	19,500	3,000
S&E-related fields	1,500	3,000	1,500	1,500	3,500	500
Business/industry	1,000	3,000	1,500	2,500	2,500	2,500
4-year college/university	1,500	2,500	2,500	2,000	6,000	3,000
Other educational institution	1,500	4,000	1,500	1,500	9,500	2,500
Government	1,500	2,000	4,500	3,000	5,000	2,000

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Level and field of highest degree and employment sector	Employed scientists and engineers	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, administration	Computer applications	Other
Health	1,500	500	1,000	3,000	2,000	500
Business/industry	1,500	2,500	1,500	3,000	4,500	2,500
4-year college/university	1,500	2,500	2,000	3,000	7,500	3,000
Other educational institution	2,500	2,500	2,500	2,000	8,500	2,500
Government	2,000	3,500	5,000	3,000	8,500	3,000
Science/mathematics teacher education	500	2,500	1,500	3,000	10,500	5,500
Business/industry	3,500	18,500	17,500	8,500	S	2,000
4-year college/university	7,500	22,500	8,000	13,000	D	D
Other educational institution	1,500	2,500	1,500	2,000	14,000	4,000
Government	9,500	9,500	9,500	20,000	D	9,000
Technology/technical fields	3,000	2,500	6,000	4,000	3,000	4,500
Business/industry	1,000	3,500	12,000	2,000	4,000	4,500
4-year college/university	11,000	10,000	7,000	19,000	12,500	D
Other educational institution	11,500	19,000	S	18,000	D	D
Government	5,500	9,000	D	6,500	14,500	22,500
Other S&E-related fields	3,000	2,000	S	3,500	14,000	3,000
Business/industry	2,500	3,500	D	3,500	17,000	5,000
4-year college/university	14,000	10,000	6,500	15,500	D	D
Other educational institution	16,000	5,000	D	5,500	D	D
Government	9,500	5,500	D	5,000	D	7,000
Non-S&E fields	2,500	1,500	1,000	500	2,500	2,500
Business/industry	4,500	2,000	3,500	1,000	1,500	1,500
4-year college/university	2,000	3,000	2,000	1,000	5,500	2,500
Other educational institution	1,000	1,500	1,000	3,000	5,500	2,500
Government	1,500	2,500	2,500	3,500	4,000	3,500
Arts/humanities	2,500	4,000	2,500	2,500	4,500	4,000
Business/industry	3,000	6,000	11,000	5,500	3,000	6,000
4-year college/university	3,500	5,000	3,500	7,500	4,500	3,000
Other educational institution	3,000	4,500	3,500	3,000	10,500	S
Government	5,500	16,500	D	4,000	7,000	2,500
Education, except science/mathematics teacher education	2,000	1,500	1,000	2,000	5,000	2,500
Business/industry	4,500	16,500	9,500	6,500	10,500	4,500
4-year college/university	5,000	4,000	5,500	4,000	9,500	6,000
Other educational institution	2,000	1,000	1,000	3,000	7,500	2,500
Government	7,500	12,000	13,500	8,000	14,000	6,500
Management/administration	2,000	2,500	4,000	2,000	2,000	5,500
Business/industry	1,000	1,000	7,000	500	2,000	3,500
4-year college/university	8,000	5,500	12,000	8,500	19,000	3,500
Other educational institution	7,000	9,000	6,500	7,500	10,500	11,000
Government	3,000	7,500	11,000	1,500	10,500	12,500
Sales/marketing	4,000	6,000	7,500	4,000	6,500	14,500
Business/industry	3,500	8,000	6,500	2,000	10,500	6,500
4-year college/university	S	D	D	D	D	D
Other educational institution	S	D	S	D	D	D
Government	8,500	D	D	D	D	D
Social services/related	1,000	3,000	2,500	2,500	9,500	1,500
Business/industry	1,500	2,500	4,000	4,000	18,500	1,500
4-year college/university	4,500	2,500	3,000	5,500	24,500	3,500
Other educational institution	3,500	4,500	3,500	6,500	D	9,500
Government	3,500	10,000	4,000	3,500	12,000	4,000

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Level and field of highest degree and employment sector	Employed scientists and engineers	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, administration	Computer applications	Other
Other non-S&E fields	3,000	3,000	3,000	2,500	6,000	2,000
Business/industry	1,500	5,500	16,500	5,000	6,000	1,000
4-year college/university	5,000	8,500	4,500	2,500	10,500	10,000
Other educational institution	2,500	3,000	3,500	4,500	D	12,500
Government	4,000	3,500	46,500	2,500	18,500	4,000
Bachelor's degrees, all fields	500	3,500	2,000	1,000	2,000	1,000
Business/industry	1,000	1,500	500	1,500	500	1,500
4-year college/university	1,000	500	7,000	1,500	1,500	1,000
Other educational institution	500	2,000	500	1,500	4,500	2,500
Government	500	2,000	4,500	1,500	3,000	2,000
S&E fields	500	1,500	500	1,000	2,000	1,000
Business/industry	500	3,500	500	1,000	500	500
4-year college/university	1,000	1,000	2,000	1,500	5,500	2,000
Other educational institution	2,000	2,000	1,500	1,000	14,500	2,500
Government	500	2,000	4,000	2,000	3,000	1,000
Sciences	500	2,000	3,000	1,500	1,500	1,500
Business/industry	500	1,500	2,500	1,500	1,500	500
4-year college/university	1,000	1,000	1,000	1,000	4,500	2,500
Other educational institution	1,500	1,500	1,500	1,000	9,500	3,000
Government	1,000	3,500	4,000	2,000	3,500	2,000
Biological/agricultural/environmental life sciences	1,500	2,500	1,500	1,000	3,500	1,500
Business/industry	1,000	1,500	5,000	3,000	2,500	2,000
4-year college/university	2,000	2,000	2,500	7,500	D	5,000
Other educational institution	2,000	3,500	2,000	2,500	D	S
Government	2,500	3,000	9,500	4,000	3,000	2,500
Agricultural/food sciences	1,500	2,000	8,000	3,500	9,000	1,000
Business/industry	4,500	4,500	14,500	2,500	19,000	1,500
4-year college/university	12,500	9,500	12,000	S	D	D
Other educational institution	S	D	11,500	6,500	D	3,000
Government	5,000	5,000	8,500	6,000	D	8,000
Biological sciences	1,000	4,000	1,500	2,000	3,500	5,500
Business/industry	1,500	2,000	5,000	3,000	2,500	1,500
4-year college/university	2,000	2,000	2,000	5,000	D	7,500
Other educational institution	2,500	1,500	2,500	3,000	D	8,500
Government	1,500	2,500	7,500	7,000	23,000	1,500
Environmental life sciences	2,000	2,000	7,000	4,500	2,000	6,000
Business/industry	3,000	7,000	D	5,000	9,500	5,500
4-year college/university	3,500	3,000	3,000	8,500	D	S
Other educational institution	8,500	6,500	2,500	1,500	D	D
Government	2,000	3,500	8,000	4,500	6,000	7,500
Computer/mathematical sciences	1,000	1,000	500	1,000	4,000	3,000
Business/industry	2,500	500	5,500	3,000	500	2,500
4-year college/university	3,000	1,500	2,500	5,500	3,500	17,000
Other educational institution	500	2,000	1,000	1,500	13,000	12,000
Government	5,000	1,500	11,500	5,000	2,500	3,000
Computer/information sciences	1,500	3,000	4,500	3,000	2,000	5,000
Business/industry	2,000	500	14,500	1,000	1,000	6,000
4-year college/university	1,500	5,500	2,000	9,000	4,500	13,000
Other educational institution	3,000	9,000	6,000	7,000	7,500	11,500
Government	5,000	2,000	4,000	7,000	6,000	4,500

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Level and field of highest degree and employment sector	Employed scientists and engineers	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, administration	Computer applications	Other
Mathematical sciences	2,500	1,500	3,000	5,500	4,500	3,500
Business/industry	4,500	2,500	S	4,000	2,000	4,500
4-year college/university	3,000	4,500	2,000	18,000	21,500	8,500
Other educational institution	500	2,000	1,000	2,500	7,000	S
Government	5,000	9,000	28,000	9,000	6,500	3,000
Physical/related sciences	1,500	3,000	4,500	2,500	4,500	3,000
Business/industry	4,000	3,500	17,500	4,000	6,000	4,000
4-year college/university	2,000	1,000	1,500	1,000	S	4,500
Other educational institution	5,000	D	4,000	5,500	D	9,000
Government	4,000	7,000	5,500	4,500	10,000	4,000
Chemistry, except biochemistry	2,000	4,000	7,000	3,500	9,500	3,000
Business/industry	3,000	3,500	26,500	5,000	6,000	4,500
4-year college/university	1,000	1,000	1,500	2,000	7,500	7,000
Other educational institution	7,500	4,000	7,500	D	D	D
Government	5,500	10,500	D	5,500	3,500	16,500
Earth/atmospheric/ocean sciences	5,500	5,500	5,000	5,000	8,000	5,000
Business/industry	6,000	8,000	3,500	5,000	12,000	6,500
4-year college/university	S	2,500	1,500	3,500	D	D
Other educational institution	9,000	D	9,000	8,500	D	S
Government	3,000	7,500	4,000	8,000	12,000	3,000
Physics/astronomy	5,500	6,000	3,500	10,500	11,500	12,000
Business/industry	7,000	6,500	9,000	12,500	9,500	19,000
4-year college/university	1,500	2,500	2,500	9,000	2,500	4,500
Other educational institution	D	D	8,000	D	D	D
Government	26,000	11,000	D	18,500	23,000	4,000
Other physical sciences	3,500	9,000	S	16,500	7,000	17,500
Business/industry	11,500	10,000	D	18,000	11,000	S
4-year college/university	3,000	S	D	3,500	D	D
Other educational institution	S	D	S	D	D	D
Government	21,500	3,500	D	D	D	D
Social/related sciences	500	2,000	1,000	3,500	4,000	1,500
Business/industry	1,500	1,000	2,000	1,000	3,000	1,000
4-year college/university	1,500	1,500	1,500	2,000	5,000	2,000
Other educational institution	3,000	3,000	2,500	3,000	15,000	3,500
Government	2,000	2,500	7,000	2,000	2,500	2,500
Economics	3,500	6,500	4,000	5,000	6,000	6,000
Business/industry	5,500	15,500	22,500	2,500	12,000	3,500
4-year college/university	3,000	2,000	S	4,000	18,000	5,000
Other educational institution	5,500	D	9,000	5,500	D	D
Government	7,000	6,000	D	4,500	12,000	7,500
Political/related sciences	3,500	3,500	6,000	2,000	12,500	2,000
Business/industry	3,500	4,500	5,000	3,000	7,000	3,500
4-year college/university	2,000	8,000	3,000	6,000	D	3,500
Other educational institution	7,000	6,000	6,500	4,500	D	S
Government	3,500	7,000	4,500	4,500	6,000	4,000
Psychology	500	2,000	2,000	1,500	3,500	2,000
Business/industry	500	2,500	2,000	2,000	5,000	4,500
4-year college/university	2,500	2,500	4,000	7,500	S	2,000
Other educational institution	4,000	6,500	4,000	6,000	7,500	6,000
Government	3,000	5,000	3,000	3,500	7,500	2,000

TABLE A-12. Standard errors for median annual salaries of employed U.S. scientists and engineers, by level and broad field of highest degree, employment sector, and primary/secondary work activity: 2008

Level and field of highest degree and employment sector	Employed scientists and engineers	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, administration	Computer applications	Other
Sociology/anthropology	3,500	3,000	2,500	3,000	10,000	1,000
Business/industry	500	3,500	6,000	1,500	10,000	3,000
4-year college/university	3,000	1,500	5,000	3,500	S	4,500
Other educational institution	4,500	5,500	4,500	3,500	D	9,500
Government	4,500	4,000	15,500	3,500	19,500	3,000
Other social sciences	1,000	1,500	2,500	2,000	4,000	2,500
Business/industry	2,000	3,500	2,000	2,500	8,000	4,000
4-year college/university	4,000	6,500	8,000	2,500	17,000	1,000
Other educational institution	1,500	4,000	1,500	3,000	D	8,000
Government	3,000	5,500	D	4,500	6,000	3,500
Engineering	1,500	1,500	4,500	2,000	2,000	3,000
Business/industry	1,000	500	10,000	500	1,000	2,500
4-year college/university	6,000	1,500	12,500	5,000	6,500	8,000
Other educational institution	4,000	3,000	2,500	20,500	D	D
Government	1,000	3,000	D	2,500	3,500	3,500
Aerospace/related engineering	7,000	4,500	14,000	6,500	9,000	13,000
Business/industry	8,000	5,500	D	7,500	9,000	15,500
4-year college/university	3,000	3,000	1,500	D	D	D
Other educational institution	D	D	D	D	D	D
Government	6,000	8,000	D	7,000	D	1,500
Chemical engineering	2,500	2,000	8,000	4,000	8,500	7,000
Business/industry	3,500	4,500	D	4,000	7,000	9,000
4-year college/university	9,500	2,000	4,500	S	D	11,500
Other educational institution	D	D	D	D	D	D
Government	8,500	4,500	D	16,000	D	18,000
Civil/architectural engineering	3,000	3,000	7,000	3,000	4,000	1,500
Business/industry	2,000	2,000	5,500	3,500	5,000	1,500
4-year college/university	S	500	D	S	D	D
Other educational institution	S	D	8,000	D	D	D
Government	3,500	3,500	5,000	1,000	4,500	7,000
Electrical/computer engineering	4,000	500	13,500	2,500	500	5,000
Business/industry	1,000	1,500	8,000	2,000	1,000	4,000
4-year college/university	18,500	S	S	3,000	7,000	23,500
Other educational institution	4,000	S	7,500	D	D	D
Government	2,500	11,500	D	4,000	5,000	4,500
Industrial engineering	4,000	6,000	9,000	2,000	18,000	6,000
Business/industry	1,500	6,500	7,500	2,500	19,500	7,500
4-year college/university	S	1,500	D	D	D	D
Other educational institution	4,000	D	4,000	5,500	D	D
Government	11,000	17,500	D	13,000	D	D
Mechanical engineering	2,000	2,500	12,000	1,000	4,500	4,500
Business/industry	1,500	3,000	23,000	2,000	7,000	5,500
4-year college/university	21,000	S	4,000	8,500	6,500	14,000
Other educational institution	22,000	D	D	5,000	D	D
Government	4,500	5,500	D	5,000	8,500	9,500
Other engineering	2,000	3,500	2,500	1,500	4,000	6,500
Business/industry	500	2,000	6,500	1,500	12,000	4,500
4-year college/university	7,500	3,500	D	S	D	D
Other educational institution	19,000	D	S	S	D	D
Government	4,000	6,000	3,000	14,500	2,000	6,000

TABLE A-12. Standard errors for median annual salaries of employed U.S. scientists and engineers, by level and broad field of highest degree, employment sector, and primary/secondary work activity: 2008

Level and field of highest degree and employment sector	Employed scientists and engineers	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, administration	Computer applications	Other
S&E-related fields	1,500	1,000	1,000	2,000	3,500	2,000
Business/industry	500	1,500	3,000	1,000	5,000	3,000
4-year college/university	4,000	6,000	4,500	6,000	8,000	3,000
Other educational institution	1,500	1,000	1,500	4,000	6,500	4,500
Government	2,000	6,000	3,500	2,500	18,500	2,000
Health	1,000	2,000	3,500	500	7,500	1,000
Business/industry	1,500	3,500	3,000	2,000	6,000	2,000
4-year college/university	2,500	7,500	3,500	6,000	4,000	4,000
Other educational institution	3,500	8,000	3,500	7,000	D	4,500
Government	2,000	9,500	3,500	2,000	20,000	2,000
Science/mathematics teacher education	4,500	9,500	3,500	6,000	S	5,000
Business/industry	8,000	S	12,000	12,000	S	3,500
4-year college/university	D	D	D	D	D	D
Other educational institution	4,500	7,500	4,000	7,500	D	2,500
Government	21,000	D	D	S	D	D
Technology/technical fields	2,500	3,000	11,000	2,500	3,000	6,000
Business/industry	3,500	3,000	10,500	4,500	3,500	5,500
4-year college/university	11,500	25,000	D	D	13,000	D
Other educational institution	14,000	S	12,500	D	D	D
Government	6,500	14,500	D	7,500	16,000	16,000
Other S&E-related fields	3,000	4,500	3,500	4,000	12,500	5,000
Business/industry	3,500	4,000	D	4,500	13,500	6,000
4-year college/university	11,500	D	D	11,000	D	D
Other educational institution	S	D	D	7,000	D	D
Government	11,500	7,000	D	13,500	D	5,500
Non-S&E fields	2,000	3,000	3,000	2,500	2,000	2,000
Business/industry	2,000	4,000	6,000	2,500	2,000	4,500
4-year college/university	6,000	7,500	8,500	7,500	7,000	6,500
Other educational institution	2,000	2,000	2,000	1,500	8,000	6,500
Government	2,500	3,000	15,000	5,000	6,500	3,500
Arts/humanities	3,500	6,000	4,500	5,500	4,500	5,500
Business/industry	5,000	4,000	21,500	5,000	3,000	11,000
4-year college/university	5,500	D	D	7,000	4,500	6,000
Other educational institution	6,000	D	6,500	7,500	D	S
Government	8,500	18,500	D	14,500	6,500	4,500
Education, except science/mathematics teacher education	3,000	6,000	3,000	4,000	19,000	7,500
Business/industry	9,500	11,000	8,500	11,000	23,000	7,500
4-year college/university	6,000	D	D	D	D	6,500
Other educational institution	3,500	5,500	3,000	3,000	D	10,000
Government	14,500	D	D	12,500	20,500	D
Management/administration	2,000	2,000	5,000	4,500	2,000	4,000
Business/industry	5,500	2,500	13,000	2,000	1,000	5,500
4-year college/university	5,500	22,000	D	6,500	17,000	2,000
Other educational institution	10,500	D	11,000	S	10,000	D
Government	3,500	9,500	D	5,000	11,000	6,500
Sales/marketing	8,000	12,000	6,000	5,000	15,500	17,500
Business/industry	6,500	11,500	D	5,500	16,500	17,000
4-year college/university	D	D	D	D	D	D
Other educational institution	D	D	D	D	D	D
Government	20,000	D	D	D	D	D

TABLE A-12. Standard errors for median annual salaries of employed U.S. scientists and engineers, by level and broad field of highest degree, employment sector, and primary/secondary work activity: 2008

Level and field of highest degree and employment sector	Employed scientists and engineers	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, administration	Computer applications	Other
Social services/related	5,000	13,000	8,000	7,500	22,000	5,500
Business/industry	6,500	D	D	9,500	27,000	4,500
4-year college/university	D	D	D	D	D	D
Other educational institution	D	D	D	D	D	D
Government	11,500	D	D	S	D	7,500
Other non-S&E fields	3,000	4,000	8,000	3,500	4,000	2,000
Business/industry	5,000	6,500	8,000	5,500	8,000	3,000
4-year college/university	17,000	D	D	S	4,000	D
Other educational institution	2,000	4,500	2,000	4,000	D	D
Government	6,500	10,500	D	12,000	D	11,000
Master's degrees, all fields	500	2,500	500	1,500	1,000	1,000
Business/industry	1,500	1,500	2,500	1,000	2,000	1,000
4-year college/university	2,000	2,000	2,000	2,500	3,500	1,500
Other educational institution	1,000	2,000	1,000	2,000	3,000	1,500
Government	1,500	1,500	3,500	4,500	2,500	2,500
S&E fields	500	500	1,500	2,000	1,500	1,500
Business/industry	1,500	500	5,000	1,500	1,500	2,500
4-year college/university	5,500	7,000	4,000	2,500	6,500	4,000
Other educational institution	1,500	1,000	1,500	1,500	8,000	2,000
Government	2,000	3,000	6,000	4,500	4,500	2,500
Sciences	500	2,000	1,500	1,500	2,000	1,500
Business/industry	2,500	2,000	4,000	3,500	1,500	3,000
4-year college/university	2,000	1,000	6,500	2,000	4,000	4,500
Other educational institution	1,500	1,000	2,000	1,500	8,000	2,000
Government	3,000	3,000	6,000	4,500	4,500	3,000
Biological/agricultural/environmental life sciences	3,500	2,000	2,500	2,500	13,500	1,500
Business/industry	3,000	5,000	11,500	4,500	9,000	1,500
4-year college/university	2,000	4,000	11,000	2,500	3,500	13,000
Other educational institution	5,500	17,000	3,500	2,000	D	S
Government	3,500	4,000	2,500	5,000	4,500	7,500
Agricultural/food sciences	7,500	8,000	4,500	4,500	D	12,000
Business/industry	7,000	8,000	D	8,500	D	7,500
4-year college/university	14,500	19,500	10,500	12,500	D	D
Other educational institution	7,500	D	7,500	3,000	D	D
Government	15,500	5,500	8,000	15,000	D	D
Biological sciences	7,000	4,000	3,500	2,000	13,000	2,500
Business/industry	4,000	5,000	S	5,000	9,500	1,500
4-year college/university	3,000	2,500	2,000	2,000	3,500	6,500
Other educational institution	4,000	7,000	4,000	3,000	D	S
Government	5,000	5,500	500	4,000	9,000	4,500
Environmental life sciences	6,000	9,000	7,000	9,000	7,000	10,000
Business/industry	10,500	12,000	D	15,500	13,500	S
4-year college/university	14,500	4,500	20,500	9,500	D	D
Other educational institution	18,000	D	12,500	D	D	D
Government	11,500	9,500	D	13,000	D	5,500
Computer/mathematical sciences	2,000	1,000	4,000	1,500	500	6,000
Business/industry	1,000	2,000	7,500	2,500	3,000	8,000
4-year college/university	4,000	9,500	4,000	5,000	4,500	7,500
Other educational institution	5,500	16,000	6,000	7,500	D	12,500
Government	4,500	7,000	3,500	6,500	4,000	8,000

TABLE A-12. Standard errors for median annual salaries of employed U.S. scientists and engineers, by level and broad field of highest degree, employment sector, and primary/secondary work activity: 2008

Level and field of highest degree and employment sector	Employed scientists and engineers	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, administration	Computer applications	Other
Computer/information sciences	1,000	1,000	6,500	1,500	500	9,000
Business/industry	1,000	1,500	11,500	3,000	1,500	4,500
4-year college/university	4,000	11,500	16,000	5,000	5,000	4,500
Other educational institution	19,500	17,500	21,000	7,500	D	D
Government	3,000	8,000	D	6,500	3,500	D
Mathematical sciences	4,500	5,000	3,000	6,500	4,000	10,000
Business/industry	4,000	5,500	D	5,000	3,500	9,000
4-year college/university	4,500	1,500	3,500	11,500	21,000	D
Other educational institution	6,000	17,500	6,500	4,500	12,500	13,000
Government	6,500	D	D	7,500	D	28,500
Physical/related sciences	4,500	3,500	4,500	4,500	5,500	6,000
Business/industry	3,500	5,000	D	5,500	9,000	9,000
4-year college/university	500	2,000	9,500	S	2,500	7,000
Other educational institution	5,000	22,500	5,000	6,500	D	D
Government	11,000	7,000	10,500	2,000	22,000	10,000
Chemistry, except biochemistry	4,500	4,500	9,000	8,500	17,000	4,500
Business/industry	2,500	3,000	D	10,500	23,500	5,000
4-year college/university	2,000	500	3,500	D	D	3,000
Other educational institution	8,000	D	9,500	19,500	D	8,000
Government	6,500	6,000	D	12,500	D	5,000
Earth/atmospheric/ocean sciences	5,000	5,000	15,000	3,500	16,500	13,500
Business/industry	7,500	8,000	D	8,000	2,500	16,000
4-year college/university	16,000	6,000	11,000	20,000	S	2,500
Other educational institution	11,000	2,000	19,000	D	D	D
Government	7,000	8,000	D	3,500	25,500	18,000
Physics/astronomy	2,500	5,000	18,500	12,000	7,500	11,000
Business/industry	9,000	5,500	D	31,000	4,000	23,500
4-year college/university	1,000	1,000	1,500	2,500	2,500	500
Other educational institution	S	S	8,000	9,000	D	D
Government	15,000	20,000	D	7,500	D	D
Other physical sciences	13,000	28,000	6,500	D	D	D
Business/industry	S	D	D	D	D	D
4-year college/university	D	D	D	D	D	D
Other educational institution	D	D	6,000	D	D	D
Government	D	D	D	D	D	D
Social/related sciences	1,500	2,500	2,000	5,500	5,000	500
Business/industry	4,000	2,500	5,000	7,500	10,000	3,000
4-year college/university	4,500	3,000	2,500	6,000	9,000	11,500
Other educational institution	1,500	1,500	2,000	1,500	D	2,000
Government	3,500	8,500	5,000	6,000	2,000	5,000
Economics	7,500	9,000	15,000	13,000	7,000	16,000
Business/industry	13,000	8,000	D	14,000	14,000	36,000
4-year college/university	8,500	3,000	S	7,000	D	D
Other educational institution	22,500	D	9,500	D	D	D
Government	6,000	13,500	D	9,500	D	20,000
Political/related sciences	4,000	7,000	7,500	7,000	3,000	8,500
Business/industry	4,000	7,500	13,500	11,000	6,000	11,000
4-year college/university	6,500	S	6,500	9,500	D	11,000
Other educational institution	8,500	500	7,500	8,500	D	D
Government	7,500	10,000	12,500	8,000	D	6,500

TABLE A-12. Standard errors for median annual salaries of employed U.S. scientists and engineers, by level and broad field of highest degree, employment sector, and primary/secondary work activity: 2008

Level and field of highest degree and employment sector	Employed scientists and engineers	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, administration	Computer applications	Other
Psychology	500	2,000	3,500	2,500	6,000	1,500
Business/industry	3,000	3,000	4,000	3,500	S	1,000
4-year college/university	6,000	2,000	3,500	8,000	1,500	S
Other educational institution	2,000	1,500	2,500	2,000	D	2,500
Government	3,500	12,500	3,000	7,500	10,000	4,500
Sociology/anthropology	6,000	14,500	10,000	8,500	7,500	8,500
Business/industry	6,000	8,500	18,000	5,500	7,500	S
4-year college/university	10,000	2,000	3,500	9,000	D	S
Other educational institution	18,000	3,500	10,000	17,000	D	3,000
Government	3,000	10,000	1,000	11,000	D	8,500
Other social sciences	4,000	4,000	4,000	6,500	5,500	6,500
Business/industry	4,000	4,500	10,000	8,500	19,000	7,000
4-year college/university	9,000	12,000	4,500	11,000	S	10,500
Other educational institution	4,000	6,000	8,000	6,000	D	18,500
Government	8,000	5,000	S	8,000	4,000	22,500
Engineering	2,500	1,500	2,500	500	2,500	5,000
Business/industry	1,000	1,500	8,000	500	2,500	4,000
4-year college/university	4,000	2,000	12,500	3,000	25,000	11,000
Other educational institution	6,500	10,000	5,500	7,000	D	8,500
Government	2,500	4,000	20,000	5,000	5,500	4,500
Aerospace/related engineering	6,500	10,500	S	5,000	14,500	24,000
Business/industry	6,000	7,000	10,500	8,000	12,000	27,500
4-year college/university	3,000	3,500	5,500	500	5,000	15,000
Other educational institution	D	D	D	D	D	D
Government	3,000	3,000	D	3,500	2,000	28,500
Chemical engineering	5,500	5,000	6,000	2,500	9,500	9,000
Business/industry	2,500	7,000	D	5,500	11,000	9,500
4-year college/university	1,000	1,000	S	D	D	1,500
Other educational institution	D	D	D	D	D	D
Government	12,000	3,500	D	20,000	D	D
Civil/architectural engineering	3,000	3,000	S	3,500	6,500	4,500
Business/industry	1,500	3,000	D	3,500	6,500	9,500
4-year college/university	4,000	3,500	7,500	11,000	D	D
Other educational institution	D	D	D	D	D	D
Government	3,000	4,000	D	4,500	3,000	7,000
Electrical/computer engineering	500	500	11,500	3,000	4,000	11,000
Business/industry	2,000	2,000	23,000	3,000	1,500	8,000
4-year college/university	7,000	2,000	S	12,000	12,500	S
Other educational institution	9,000	D	12,000	D	D	D
Government	3,000	4,500	D	8,000	10,000	11,000
Industrial engineering	4,500	3,500	S	9,000	4,500	13,000
Business/industry	3,500	8,500	D	9,000	5,000	10,500
4-year college/university	17,000	20,000	S	20,500	D	D
Other educational institution	D	D	D	D	D	D
Government	D	19,000	D	D	7,000	D
Mechanical engineering	3,500	4,000	6,500	2,000	9,000	2,000
Business/industry	4,000	6,500	D	3,500	18,500	2,500
4-year college/university	9,000	S	8,000	4,000	D	6,000
Other educational institution	16,500	D	8,000	D	D	D
Government	9,000	4,000	D	5,000	S	3,000

TABLE A-12. Standard errors for median annual salaries of employed U.S. scientists and engineers, by level and broad field of highest degree, employment sector, and primary/secondary work activity: 2008

Level and field of highest degree and employment sector	Employed scientists and engineers	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, administration	Computer applications	Other
Other engineering	3,000	2,500	2,000	4,000	3,000	5,500
Business/industry	3,000	4,000	1,500	2,500	4,000	7,500
4-year college/university	5,000	1,500	7,000	10,000	3,000	7,000
Other educational institution	6,000	D	3,000	D	D	D
Government	2,500	8,000	D	3,000	5,500	4,500
S&E-related fields	1,000	2,000	1,500	500	5,500	2,000
Business/industry	500	4,500	4,500	2,000	500	3,000
4-year college/university	1,000	4,000	5,000	8,000	9,000	4,500
Other educational institution	1,500	3,500	1,500	2,000	9,500	2,000
Government	1,500	3,500	4,000	4,500	2,000	1,000
Health	2,000	3,500	4,000	2,500	7,500	2,000
Business/industry	1,000	4,500	8,500	2,000	7,000	2,500
4-year college/university	4,000	4,000	3,500	6,000	S	7,500
Other educational institution	1,500	5,000	1,500	4,500	D	2,000
Government	1,000	15,500	8,500	2,500	2,000	1,000
Science/mathematics teacher education	2,500	2,000	2,000	3,000	10,000	9,500
Business/industry	9,000	20,000	19,000	6,000	S	5,500
4-year college/university	15,000	D	11,500	S	D	D
Other educational institution	2,000	3,000	2,000	2,500	17,500	4,000
Government	23,000	16,500	16,000	D	D	18,500
Technology/technical fields	7,000	2,500	D	10,500	4,500	10,500
Business/industry	5,500	5,000	D	8,500	3,500	9,500
4-year college/university	3,000	D	D	8,500	D	D
Other educational institution	15,000	D	D	D	D	D
Government	D	D	D	D	D	D
Other S&E-related fields	4,000	4,000	18,000	1,500	D	4,000
Business/industry	4,000	5,000	D	3,000	D	6,500
4-year college/university	30,500	D	18,500	D	D	D
Other educational institution	D	D	D	D	D	D
Government	7,000	10,500	D	5,500	D	5,500
Non-S&E fields	2,000	2,500	1,500	1,000	3,500	500
Business/industry	3,000	3,000	3,000	2,500	3,000	2,500
4-year college/university	2,500	5,500	3,000	2,000	5,000	2,500
Other educational institution	1,500	1,500	1,000	2,000	3,000	3,000
Government	2,500	4,000	3,500	3,500	3,500	2,500
Arts/humanities	3,500	7,000	3,000	5,500	12,500	9,000
Business/industry	11,000	10,500	8,500	9,000	22,000	5,500
4-year college/university	5,000	11,500	S	11,000	D	4,000
Other educational institution	2,500	4,000	2,500	4,500	D	D
Government	9,500	18,000	D	8,500	D	8,500
Education, except science/mathematics teacher education	1,500	1,500	1,000	2,500	3,500	3,000
Business/industry	5,000	14,500	9,000	7,500	16,000	7,500
4-year college/university	3,500	7,000	3,000	6,500	D	9,500
Other educational institution	2,000	1,500	1,000	2,000	6,000	2,500
Government	6,500	15,500	13,000	8,000	5,500	5,000
Management/administration	3,500	4,000	5,000	500	3,000	7,000
Business/industry	500	2,000	4,500	2,000	2,500	2,000
4-year college/university	9,000	7,000	4,000	9,000	16,500	4,500
Other educational institution	6,500	2,000	7,500	9,500	D	13,000
Government	3,000	4,500	10,000	4,000	15,500	9,000

TABLE A-12. Standard errors for median annual salaries of employed U.S. scientists and engineers, by level and broad field of highest degree, employment sector, and primary/secondary work activity: 2008

Level and field of highest degree and employment sector	Employed scientists and engineers	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, administration	Computer applications	Other
Sales/marketing	4,000	10,500	S	3,000	10,500	4,000
Business/industry	1,500	9,000	D	2,000	14,500	4,000
4-year college/university	D	D	D	D	D	D
Other educational institution	D	D	D	D	D	D
Government	8,500	D	D	D	D	D
Social services/related	1,500	2,500	3,000	3,500	10,000	1,000
Business/industry	2,500	1,500	3,500	3,000	S	2,000
4-year college/university	4,500	2,000	S	6,000	D	6,500
Other educational institution	5,500	8,000	4,500	6,000	D	11,000
Government	2,500	10,000	4,000	3,500	D	3,500
Other non-S&E fields	2,500	2,500	6,500	4,500	7,000	5,500
Business/industry	6,000	5,000	23,000	8,500	17,500	6,500
4-year college/university	4,500	15,000	6,000	7,000	6,000	3,500
Other educational institution	6,500	9,500	10,000	8,500	D	4,500
Government	3,000	4,500	D	3,000	S	8,000
Doctoral degrees, all fields	1,500	1,500	500	500	2,000	500
Business/industry	2,000	3,500	2,000	3,000	2,000	3,500
4-year college/university	1,000	2,000	1,500	2,500	2,000	2,500
Other educational institution	2,000	9,500	3,000	3,500	S	2,000
Government	2,000	3,000	9,500	3,500	8,000	3,000
S&E fields	1,000	500	500	2,000	3,000	2,000
Business/industry	500	2,500	5,500	2,500	1,500	2,500
4-year college/university	1,500	1,000	1,000	2,500	2,500	4,000
Other educational institution	500	3,500	3,000	2,000	3,000	3,000
Government	2,000	2,500	4,000	500	4,500	2,000
Sciences	1,000	500	500	500	3,000	3,000
Business/industry	2,000	2,000	2,500	3,500	1,500	2,000
4-year college/university	500	2,500	1,500	1,500	2,000	500
Other educational institution	1,000	3,500	3,000	2,000	1,500	2,000
Government	1,500	2,500	3,500	1,000	7,000	1,500
Biological/agricultural/environmental life sciences	500	1,500	2,000	3,000	9,500	4,500
Business/industry	2,500	3,000	13,000	5,000	6,000	7,500
4-year college/university	2,500	2,500	1,500	2,500	9,500	5,000
Other educational institution	3,000	7,500	2,500	4,500	D	5,500
Government	2,500	3,000	25,000	4,000	8,000	4,500
Agricultural/food sciences	2,500	3,000	4,000	2,000	17,000	5,000
Business/industry	2,000	2,500	D	4,500	3,500	6,000
4-year college/university	2,500	3,000	4,000	6,000	20,000	4,500
Other educational institution	5,000	D	7,000	7,500	D	D
Government	5,500	6,500	D	9,000	D	5,500
Biological sciences	3,000	3,000	2,500	1,000	9,500	4,500
Business/industry	4,000	4,000	15,500	1,000	4,500	7,500
4-year college/university	2,000	3,000	3,000	2,500	10,000	8,000
Other educational institution	3,500	7,500	3,000	5,500	D	6,500
Government	2,000	3,500	46,000	4,000	5,500	5,500
Environmental life sciences	6,000	5,000	4,500	7,000	D	4,500
Business/industry	10,000	9,500	18,500	13,500	D	6,000
4-year college/university	5,000	3,500	5,500	11,000	D	10,500
Other educational institution	24,000	D	S	D	D	D
Government	4,000	4,500	10,000	6,500	D	8,500

TABLE A-12. Standard errors for median annual salaries of employed U.S. scientists and engineers, by level and broad field of highest degree, employment sector, and primary/secondary work activity: 2008

Level and field of highest degree and employment sector	Employed scientists and engineers	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, administration	Computer applications	Other
Computer/mathematical sciences	3,500	3,000	2,000	6,500	3,000	1,500
Business/industry	4,500	2,500	S	16,500	500	6,000
4-year college/university	500	2,500	2,500	3,500	3,000	6,500
Other educational institution	12,500	10,500	12,500	20,000	S	D
Government	7,500	8,500	D	12,000	2,500	13,500
Computer/information sciences	5,500	5,000	4,000	12,500	500	500
Business/industry	10,500	7,500	S	37,000	7,000	5,000
4-year college/university	4,000	4,000	4,000	6,500	5,500	5,000
Other educational institution	10,500	D	11,500	D	31,500	D
Government	10,000	5,000	D	10,500	11,500	D
Mathematical sciences	2,500	2,000	2,500	10,500	3,500	7,000
Business/industry	4,000	4,500	S	11,500	6,500	4,000
4-year college/university	2,500	1,500	1,500	7,000	2,500	7,500
Other educational institution	14,000	3,500	13,000	S	D	D
Government	10,000	9,000	D	23,500	8,500	13,000
Physical/related sciences	2,000	500	2,500	3,000	4,000	4,000
Business/industry	2,000	500	35,500	1,000	3,500	6,500
4-year college/university	2,000	3,500	1,000	4,500	2,000	6,000
Other educational institution	2,500	17,000	3,000	3,000	13,500	4,000
Government	5,000	5,000	12,500	4,000	7,500	4,000
Chemistry, except biochemistry	500	2,500	2,000	3,500	6,000	6,500
Business/industry	500	1,500	12,000	1,500	2,000	6,500
4-year college/university	6,000	2,500	5,000	3,500	13,500	4,500
Other educational institution	3,000	5,000	3,000	5,500	D	8,000
Government	11,000	17,000	D	5,500	D	3,000
Earth/atmospheric/ocean sciences	3,000	2,000	4,000	6,500	7,000	12,000
Business/industry	2,500	4,500	S	13,000	11,000	26,500
4-year college/university	2,500	2,500	3,000	8,000	1,500	9,000
Other educational institution	4,000	22,000	4,000	D	D	D
Government	7,500	6,500	D	10,000	15,000	21,500
Physics/astronomy	500	500	2,000	5,500	2,000	5,000
Business/industry	2,500	3,500	24,000	5,500	6,000	5,000
4-year college/university	1,500	2,000	1,500	14,500	2,500	15,500
Other educational institution	5,000	10,500	4,000	12,000	D	10,500
Government	3,000	4,000	D	5,500	10,000	16,500
Other physical sciences	7,500	7,000	4,000	11,500	14,500	9,000
Business/industry	8,000	13,000	D	17,000	D	21,000
4-year college/university	8,000	7,500	5,500	3,500	D	D
Other educational institution	D	D	D	D	D	D
Government	13,500	8,000	D	17,500	D	D
Social/related sciences	2,000	2,000	500	2,500	3,500	500
Business/industry	3,000	500	4,000	1,000	5,000	1,500
4-year college/university	2,000	1,000	500	3,000	5,000	4,000
Other educational institution	2,000	4,000	1,500	4,000	S	3,000
Government	2,000	4,500	5,500	2,000	2,500	2,500
Economics	3,500	4,500	2,500	8,000	7,000	10,500
Business/industry	11,500	8,500	D	7,000	16,500	9,000
4-year college/university	4,500	5,500	3,000	10,500	15,000	5,000
Other educational institution	7,500	22,000	6,500	14,500	D	D
Government	5,500	5,000	D	5,000	10,000	18,000

TABLE A-12. Standard errors for median annual salaries of employed U.S. scientists and engineers, by level and broad field of highest degree, employment sector, and primary/secondary work activity: 2008

Level and field of highest degree and employment sector	Employed scientists and engineers	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, administration	Computer applications	Other
Political/related sciences	5,500	5,000	1,500	4,500	5,000	5,500
Business/industry	12,500	6,500	S	16,000	17,500	5,000
4-year college/university	3,000	3,500	1,500	4,000	10,000	10,000
Other educational institution	9,500	D	11,000	7,000	D	D
Government	13,500	3,000	D	17,500	D	18,500
Psychology	1,500	1,000	1,500	1,500	11,500	1,000
Business/industry	4,000	6,500	2,500	3,500	7,000	1,000
4-year college/university	1,000	3,000	2,000	3,500	15,500	5,500
Other educational institution	2,000	4,000	1,500	4,500	S	2,500
Government	3,000	3,500	4,000	3,500	7,500	2,000
Sociology/anthropology	1,500	2,000	1,500	2,500	6,500	6,500
Business/industry	6,000	7,000	16,000	5,000	19,500	10,000
4-year college/university	1,000	2,500	500	5,000	5,000	5,000
Other educational institution	4,500	10,000	4,000	11,000	D	S
Government	6,000	6,000	D	11,000	D	7,000
Other social sciences	2,500	3,000	2,500	7,500	7,000	6,000
Business/industry	11,000	5,500	S	7,500	13,500	6,500
4-year college/university	1,000	2,500	2,500	10,500	10,000	5,500
Other educational institution	3,000	D	5,000	5,000	D	13,500
Government	6,500	12,000	D	15,500	D	S
Engineering	500	1,500	3,000	500	500	2,500
Business/industry	2,000	500	30,500	1,000	4,500	5,500
4-year college/university	2,500	3,000	3,000	5,000	4,000	10,000
Other educational institution	10,500	D	9,500	8,500	D	2,000
Government	2,000	2,500	13,500	1,500	6,000	10,500
Aerospace/related engineering	6,000	6,500	8,500	6,500	8,500	38,000
Business/industry	7,500	10,500	D	6,000	10,000	64,000
4-year college/university	16,500	12,500	7,500	13,500	D	3,000
Other educational institution	D	D	D	D	D	D
Government	9,000	10,500	D	17,500	D	D
Chemical engineering	4,500	2,500	9,000	2,500	7,000	5,500
Business/industry	5,000	4,500	13,000	3,000	17,000	9,500
4-year college/university	7,000	5,000	9,500	3,500	D	20,000
Other educational institution	S	D	D	D	D	D
Government	11,500	14,000	D	33,000	D	D
Civil/architectural engineering	3,000	3,000	4,500	7,000	5,000	16,000
Business/industry	3,000	6,500	D	17,000	6,500	16,000
4-year college/university	4,000	6,000	4,500	8,500	S	D
Other educational institution	D	D	D	D	D	D
Government	14,500	11,500	D	9,500	D	23,000
Electrical/computer engineering	4,500	2,500	4,500	5,500	8,500	7,500
Business/industry	500	500	37,000	3,000	2,500	13,000
4-year college/university	5,500	6,500	4,500	7,500	5,000	10,500
Other educational institution	S	D	S	D	D	D
Government	8,000	7,500	D	14,000	18,500	D
Industrial engineering	2,000	4,500	5,000	12,000	5,500	10,000
Business/industry	8,000	7,500	D	8,500	4,000	S
4-year college/university	6,500	5,500	5,500	7,500	D	14,000
Other educational institution	D	D	D	D	D	D
Government	24,500	D	D	29,000	D	D

TABLE A-12. Standard errors for median annual salaries of employed U.S. scientists and engineers, by level and broad field of highest degree, employment sector, and primary/secondary work activity: 2008

Level and field of highest degree and employment sector	Employed scientists and engineers	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, administration	Computer applications	Other
Mechanical engineering	2,500	1,500	8,000	2,500	2,000	14,500
Business/industry	3,500	2,500	D	4,500	1,500	14,500
4-year college/university	7,500	4,500	7,000	12,000	19,500	31,500
Other educational institution	S	D	S	D	D	D
Government	9,500	8,000	D	7,500	16,500	6,000
Other engineering	2,500	1,000	3,500	1,500	2,500	4,000
Business/industry	500	6,000	19,000	5,000	11,000	6,500
4-year college/university	3,500	2,000	4,500	5,500	2,500	19,000
Other educational institution	16,000	D	16,000	23,000	D	D
Government	4,000	4,000	D	6,500	5,000	27,000
S&E-related fields	5,000	4,500	4,000	4,500	1,500	15,000
Business/industry	7,500	18,000	23,500	9,000	2,000	6,500
4-year college/university	1,500	3,000	3,500	5,500	5,000	5,000
Other educational institution	14,000	7,000	6,500	9,000	D	6,500
Government	8,000	15,000	22,500	4,500	25,500	12,500
Health	1,500	6,000	3,500	2,500	14,000	8,000
Business/industry	11,000	14,000	22,000	5,500	2,000	8,000
4-year college/university	4,500	4,000	4,000	4,000	3,500	3,000
Other educational institution	14,500	1,000	2,500	8,000	D	11,500
Government	5,500	23,500	22,500	7,500	25,500	12,500
Science/mathematics teacher education	4,000	6,500	4,000	13,000	D	D
Business/industry	D	D	D	D	D	D
4-year college/university	3,000	5,000	3,500	5,500	D	D
Other educational institution	19,500	D	14,500	D	D	D
Government	D	D	D	D	D	D
Technology/technical fields	3,000	2,000	D	14,500	6,500	D
Business/industry	5,000	6,000	D	D	4,500	D
4-year college/university	12,500	12,500	D	D	D	D
Other educational institution	D	D	D	D	D	D
Government	D	D	D	D	D	D
Other S&E-related fields	D	D	36,500	10,000	D	D
Business/industry	D	D	D	D	D	D
4-year college/university	41,000	42,000	36,500	D	D	D
Other educational institution	D	D	D	D	D	D
Government	D	D	D	D	D	D
Non-S&E fields	2,500	4,000	2,000	5,500	13,000	6,000
Business/industry	6,000	18,000	6,500	15,000	29,500	11,500
4-year college/university	2,500	4,000	2,000	6,000	D	9,500
Other educational institution	8,500	13,000	7,500	11,500	D	7,000
Government	24,500	D	D	S	12,500	D
Arts/humanities	4,500	6,000	3,000	16,000	D	14,500
Business/industry	S	S	D	3,500	D	S
4-year college/university	3,000	5,000	2,500	D	D	D
Other educational institution	S	D	S	D	D	D
Government	D	D	D	D	D	D
Education, except science/mathematics teacher education	3,000	5,000	4,500	5,000	S	6,000
Business/industry	13,000	44,000	10,500	22,500	D	S
4-year college/university	3,500	3,000	5,000	3,500	D	11,500
Other educational institution	7,000	13,000	2,500	22,500	D	7,000
Government	D	D	D	D	D	D

TABLE A-12. Standard errors for median annual salaries of employed U.S. scientists and engineers, by level and broad field of highest degree, employment sector, and primary/secondary work activity: 2008

Level and field of highest degree and employment sector	Employed scientists and engineers	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, administration	Computer applications	Other
Management/administration	16,000	17,000	13,000	16,000	D	32,000
Business/industry	18,000	32,500	D	48,500	D	D
4-year college/university	16,500	12,000	16,000	D	D	D
Other educational institution	D	D	D	D	D	D
Government	D	D	D	D	D	D
Sales/marketing	5,000	5,000	D	D	D	D
Business/industry	D	D	D	D	D	D
4-year college/university	5,000	5,000	D	D	D	D
Other educational institution	D	D	D	D	D	D
Government	D	D	D	D	D	D
Social services/related	7,000	6,500	11,000	5,000	5,500	9,500
Business/industry	3,500	D	10,500	3,500	D	9,500
4-year college/university	8,000	10,500	7,000	18,000	D	D
Other educational institution	3,000	D	2,000	D	D	D
Government	D	D	D	D	D	D
Other non-S&E fields	11,000	6,500	3,500	11,500	D	D
Business/industry	13,500	18,500	D	13,000	D	D
4-year college/university	2,000	2,500	2,000	25,500	D	D
Other educational institution	D	D	D	D	D	D
Government	D	D	D	D	D	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 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, and see <http://sestat.nsf.gov/docs/occ03maj.html> for detailed description of occupational classification. Business/industry includes self-employed individuals, nonprofit organizations, and other unspecified types of employers. 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. Government includes federal (civilian), military, state, and local employers. 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.