Characteristics of Scientists and Engineers in the United States: 2008

Detailed Statistical Tables | NSF 13-320 | June 2013

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General Notes

This publication reports integrated data from three National Science Foundation (NSF)-sponsored demographic surveys: the National Survey of College Graduates, the National Survey of Recent College Graduates, and the Survey of Doctorate Recipients. Each survey is administered to a sampled segment of the U.S. population having a bachelor's or higher degree, with an emphasis on graduates from U.S. institutions with a degree in science or engineering (S&E). It is intended to provide policymakers, researchers, and planners with high-quality data on the size, composition, and employment patterns of the nation's S&E workforce.

These data are collected every 2 to 3 years and are contained in the Scientists and Engineers Statistical Data System, or SESTAT (available at https://sestat.nsf.gov/sestat/sestat.html). SESTAT currently contains data from these surveys through 2010. Data beginning with the 1993 surveys are available as public-use files or through the SESTAT Data Tool, which allows users to generate custom data tables from individual or integrated survey data.

The technical appendix of this publication provides methodological information about SESTAT, including editing and imputation, sample weights, sampling error and standard error tables, and selected definitions and explanations (with links to degree and occupation classification taxonomies used in SESTAT).

The 2008 SESTAT data represent the population with a bachelor's degree or higher in an S&E field, an S&E-related field, or a non-S&E field but working in an S&E or S&E-related occupation. Although this designated target population is broad and includes many fields of study and many occupations, SESTAT does not represent other groups that can be considered part of the population of scientists and engineers, such as S&E technicians with less than a bachelor's degree.

The number of detailed tables published in this edition of the series has been reduced. The complete list of tables produced for the 2008 SESTAT is shown in exhibit 1 of the technical appendix. The published tables are designated by table number in the first column. The remaining tabulations, designated as "supplemental," are available on request from the SESTAT Project Officer. The National Center for Science and Engineering Statistics (NCSES) is working toward a new system of delivering data from its surveys. When fully implemented, select data tables will continue to be published together with the survey's technical documentation. The larger set of detailed data tables associated with the series will be available through the NCSES website and will provide greater opportunity for customization.

Data Tables

Table	
	Labor force status
1	by degree background
2	by level of highest degree
	Occupations
	by level and field of highest degree
3	by occupational category
4	respondents with disabilities, by occupational category
	Selected characteristics
5	all U.S. scientists and engineers, by field and level of highest degree
6	by sex, ethnicity, and race
	Employment
	by level and field of highest degree
7	by employment sector and primary/secondary work activity
8	by sex, ethnicity, and race
	by level of highest degree and occupation
9	by citizenship status and employment sector
10	by age and primary/secondary work activity
11	by ethnicity, race, and years since highest degree
	Median annual salaries
	by level and field of highest degree
12	by employment sector and primary/secondary work activity
13	by sex, ethnicity, and race
	by level of highest degree and occupation
14	by citizenship status and employment sector
15	by age and primary/secondary work activity
16	by ethnicity, race, and years since highest degree

TABLE 1. U.S. scientists and engineers, by degree background and labor force status: 2008

Degree background	All scientists and engineers	In labor force					Not in labor force
		Employed, by occupation				Unemployed	
		Total	S&E	S&E related	Non-S&E		
Scientists and engineers	23,279,000	19,244,000	4,874,000	5,542,000	8,828,000	610,000	3,424,000
Educated in S&E (holds at least one S&E degree)	17,214,000	14,145,000	4,275,000	2,507,000	7,363,000	490,000	2,579,000
Highest degree in S&E field	12,588,000	10,216,000	3,881,000	1,285,000	5,050,000	384,000	1,988,000
Highest degree in S&E-related field	1,368,000	1,225,000	82,000	1,009,000	133,000	18,000	126,000
Highest degree in non-S&E field	3,258,000	2,705,000	313,000	213,000	2,180,000	88,000	465,000
No S&E degree but holds at least one S&E-related degree	4,632,000	3,834,000	217,000	2,585,000	1,033,000	81,000	716,000
Highest degree in S&E-related field	4,202,000	3,502,000	194,000	2,470,000	838,000	73,000	627,000
Highest degree in non-S&E field	430,000	332,000	23,000	115,000	195,000	9,000	89,000
Non-S&E degree only	1,432,000	1,265,000	382,000	450,000	433,000	39,000	128,000

S&E = science and engineering.

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. Numbers are rounded to nearest thousand. Detail may not add to total because of rounding.

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

TABLE 2. U.S. scientists and engineers, by labor force status and level of highest degree: 2008

	Level of highest degree									
	All degree levels		Bachelor's		Master's		Doctorate		Professional	
Labor force status and degree background	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Scientists and engineers	23,279,000	100.0	13,193,000	56.7	6,893,000	29.6	1,091,000	4.7	2,101,000	9.0
Employed	19,244,000	100.0	10,745,000	55.8	5,690,000	29.6	934,000	4.9	1,875,000	9.7
Employed in S&E occupation	4,874,000	100.0	2,720,000	55.8	1,519,000	31.2	592,000	12.1	44,000	0.9
Educated in S&E (holds at least one S&E degree)	4,275,000	100.0	2,271,000	53.1	1,394,000	32.6	578,000	13.5	33,000	0.8
No S&E degree but holds at least one S&E-related degree	217,000	100.0	146,000	67.6	53,000	24.3	9,000	3.9	9,000	4.2
Non-S&E degree only	382,000	100.0	302,000	79.0	72,000	18.9	6,000	1.5	2,000	0.5
Employed in S&E-related occupation	5,542,000	100.0	2,910,000	52.5	1,404,000	25.3	117,000	2.1	1,111,000	20.0
Educated in S&E (holds at least one S&E degree)	2,507,000	100.0	1,059,000	42.2	660,000	26.3	84,000	3.4	704,000	28.1
No S&E degree but holds at least one S&E-related degree	2,585,000	100.0	1,535,000	59.4	625,000	24.2	25,000	1.0	401,000	15.5
Non-S&E degree only	450,000	100.0	317,000	70.4	119,000	26.4	8,000	1.8	6,000	1.4
Employed in non-S&E occupation	8,828,000	100.0	5,115,000	57.9	2,768,000	31.3	225,000	2.5	721,000	8.2
Educated in S&E (holds at least one S&E degree)	7,363,000	100.0	4,217,000	57.3	2,271,000	30.8	203,000	2.8	671,000	9.1
No S&E degree but holds at least one S&E-related degree	1,033,000	100.0	624,000	60.4	352,000	34.1	15,000	1.5	42,000	4.1
Non-S&E degree only	433,000	100.0	274,000	63.3	145,000	33.5	6,000	1.5	7,000	1.7
Unemployed	610,000	100.0	389,000	63.7	167,000	27.4	19,000	3.1	35,000	5.7
Educated in S&E (holds at least one S&E degree)	490,000	100.0	298,000	60.8	147,000	30.1	17,000	3.5	27,000	5.6
No S&E degree but holds at least one S&E-related degree	81,000	100.0	57,000	70.6	16,000	19.9	2,000	2.4	6,000	7.1
Non-S&E degree only	39,000	100.0	34,000	86.6	4,000	9.6	D	D	D	D
Not in labor force	3,424,000	100.0	2,060,000	60.2	1,036,000	30.2	138,000	4.0	191,000	5.6
Educated in S&E (holds at least one S&E degree)	2,579,000	100.0	1,540,000	59.7	787,000	30.5	123,000	4.8	129,000	5.0
No S&E degree but holds at least one S&E-related degree	716,000	100.0	434,000	60.6	208,000	29.1	13,000	1.8	61,000	8.5
Non-S&E degree only	128,000	100.0	86,000	66.8	40,000	31.1	1,000	1.2	D	D

D = suppressed to avoid disclosure of confidential information.

S&E = science and engineering.

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. Numbers are rounded to nearest thousand. Percentages are based on unrounded numbers and rounded to nearest tenth. Detail may not add to total because of rounding.

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

TABLE 3. Broad occupation category of employed U.S. scientists and engineers, by level and field of highest degree: 2008
(Percent distribution)

Level and field of highest degree	All occupations		S&E occupations					S&E-related occupations					Non-S&E occupations
	Number	Percent	Computer/ mathematical scientists	Biological/ agricultural/ other life scientists	Physical/ related scientists	Social/ related scientists	Engineers	Health occupations	S&E managers	S&E pre-college teachers	S&E technicians and technologists	Other S&E-related jobs	
All degree levels and fields[a]	19,244,000	100.0	10.2	2.6	1.7	2.6	8.2	19.6	2.6	3.1	2.3	1.1	45.9
S&E fields	10,216,000	100.0	14.0	4.0	2.9	3.7	13.4	4.5	2.8	1.9	2.9	0.5	49.4
Sciences	7,763,000	100.0	14.3	5.2	3.6	4.8	1.9	5.7	2.0	2.4	3.0	0.4	56.8
Biological/agricultural/environmental life sciences	1,569,000	100.0	3.3	22.2	2.5	0.4	2.1	15.5	1.9	3.6	4.5	0.2	43.9
Agricultural sciences	266,000	100.0	2.2	18.1	1.7	0.1	2.3	7.5	0.9	1.5	3.5	D	61.9
Biological sciences	1,125,000	100.0	3.6	24.4	2.3	0.3	1.6	19.3	2.1	4.4	4.3	D	37.8
Environmental life sciences	178,000	100.0	3.0	13.7	5.5	1.3	5.5	3.5	2.0	1.9	6.9	D	55.5
Computer/mathematical sciences	1,651,000	100.0	52.8	0.1	0.2	0.4	2.7	0.9	4.2	3.0	5.7	1.5	28.6
Computer/information sciences	1,159,000	100.0	61.2	0.1	S	0.4	2.5	1.0	4.9	0.6	6.2	S	22.9
Mathematics/statistics	492,000	100.0	33.1	0.1	0.5	0.6	3.2	0.8	2.3	8.8	4.4	4.5	41.8
Physical/related sciences	665,000	100.0	8.0	4.2	34.0	0.4	7.6	3.5	3.0	3.4	3.4	S	32.3
Chemistry, except biochemistry	306,000	100.0	4.3	5.5	38.6	S	6.1	6.1	2.7	3.0	3.0	D	30.1
Earth/atmospheric/ocean sciences	168,000	100.0	6.4	2.4	39.0	D	6.6	1.0	3.8	4.1	3.6	D	33.2
Physics/astronomy	150,000	100.0	18.0	2.1	25.5	0.6	12.8	0.6	2.9	3.3	4.1	D	29.8
Other physical sciences	40,000	100.0	6.4	10.1	10.0	D	3.3	5.3	S	3.5	3.6	D	54.8
Social/related sciences	3,878,000	100.0	3.5	0.6	0.2	9.1	0.4	4.1	1.0	1.4	1.1	0.1	78.3
Economics	580,000	100.0	5.6	1.2	D	6.7	0.9	0.8	1.4	0.5	1.2	0.2	81.4
Political/related sciences	705,000	100.0	3.7	S	S	6.2	0.7	2.8	1.0	1.6	1.1	D	82.5
Psychology	1,414,000	100.0	2.5	0.6	D	14.1	0.3	6.4	1.1	0.9	0.8	D	73.1
Sociology/anthropology	763,000	100.0	3.4	0.5	S	6.3	D	4.1	0.5	1.3	0.3	D	83.4
Other social sciences	416,000	100.0	4.2	0.9	0.8	5.8	0.5	3.3	0.8	4.5	3.5	D	75.4
Engineering	2,453,000	100.0	12.9	0.5	0.8	0.3	49.8	0.6	5.5	0.3	2.7	0.7	26.0
Aerospace/aeronautical/ astronautical engineering	81,000	100.0	5.2	D	S	D	52.4	D	4.1	S	S	D	32.4
Chemical engineering	165,000	100.0	4.9	1.2	3.1	S	54.0	1.4	6.8	S	1.6	D	26.1
Civil/architectural engineering	397,000	100.0	2.8	D	0.3	S	58.4	D	6.9	D	1.8	3.4	25.8
Electrical/computer engineering	808,000	100.0	27.2	0.1	0.3	0.2	42.5	0.4	5.2	0.2	3.5	S	20.2
Industrial engineering	139,000	100.0	11.6	D	S	S	38.4	S	3.5	S	3.0	D	39.4
Mechanical engineering	500,000	100.0	5.4	0.1	0.2	0.3	59.0	S	5.4	0.5	2.3	D	26.4
Other engineering	363,000	100.0	8.1	2.1	2.2	0.4	45.7	1.6	5.0	0.2	2.6	S	31.7
S&E-related fields	4,727,000	100.0	2.6	1.1	0.1	0.6	1.3	64.7	1.8	3.1	0.7	3.3	20.5
Health	3,784,000	100.0	1.0	1.4	0.1	0.3	0.1	80.5	2.0	0.2	0.2	D	14.1
Science/mathematics teacher education	308,000	100.0	4.5	0.3	0.6	S	S	2.3	D	43.8	0.9	D	46.1

TABLE 3. Broad occupation category of employed U.S. scientists and engineers, by level and field of highest degree: 2008
(Percent distribution)

Level and field of highest degree	All occupations		S&E occupations					S&E-related occupations					Non-S&E occupations
	Number	Percent	Computer/ mathematical scientists	Biological/ agricultural/ other life scientists	Physical/ related scientists	Social/ related scientists	Engineers	Health occupations	S&E managers	S&E pre-college teachers	S&E technicians and technologists	Other S&E-related jobs	
Technology/technical fields	306,000	100.0	21.3	D	D	D	16.3	0.9	3.2	1.2	7.3	D	48.5
Other S&E-related fields	328,000	100.0	1.6	D	D	4.4	1.4	D	0.7	D	0.8	46.3	44.6
Non-S&E fields	4,302,000	100.0	9.7	0.8	0.5	2.2	3.6	6.2	2.9	6.0	2.7	0.3	65.3
Arts/humanities	308,000	100.0	20.5	D	D	3.0	1.8	11.0	3.1	8.6	7.9	1.3	42.5
Education, except science/mathematics teacher education	948,000	100.0	2.7	0.4	0.4	1.9	0.4	7.1	0.6	20.3	0.9	D	65.1
Management/administration	1,417,000	100.0	17.3	0.8	0.6	1.0	8.3	5.6	5.7	1.1	4.5	0.3	54.7
Sales/marketing	150,000	100.0	10.2	D	D	9.8	5.8	4.1	D	S	S	D	65.6
Social services/related	354,000	100.0	4.6	D	D	5.7	0.6	5.6	2.6	1.7	1.4	D	77.6
Other non-S&E fields	1,125,000	100.0	4.5	1.4	0.5	1.6	1.3	5.4	1.4	1.4	1.2	0.2	81.0
Bachelor's degrees	10,745,000	100.0	11.7	1.8	1.3	1.1	9.2	17.7	2.5	2.3	3.3	1.4	47.6
S&E fields	7,367,000	100.0	12.8	2.4	1.8	1.3	12.4	5.0	2.4	1.8	3.3	0.5	56.3
Sciences	5,658,000	100.0	13.2	3.1	2.2	1.6	1.7	6.3	1.6	2.3	3.4	0.4	64.3
Biological/agricultural/environmental life sciences	1,144,000	100.0	3.1	13.0	2.2	0.3	2.3	17.2	1.0	3.7	5.4	S	51.9
Agricultural sciences	217,000	100.0	2.0	10.7	1.4	D	2.2	7.8	0.4	S	4.1	D	69.9
Biological sciences	791,000	100.0	3.5	13.8	2.1	0.2	1.8	22.0	1.2	4.7	5.3	D	45.3
Environmental life sciences	137,000	100.0	2.4	11.8	3.6	0.9	5.4	4.1	0.7	1.7	7.7	D	61.3
Computer/mathematical sciences	1,161,000	100.0	48.9	D	0.2	0.4	2.3	1.1	3.8	3.3	6.3	1.6	32.1
Computer/information sciences	809,000	100.0	59.8	D	D	0.3	2.0	1.2	4.3	0.4	7.0	D	24.7
Mathematics/statistics	352,000	100.0	23.8	D	0.6	0.4	2.9	1.0	2.8	9.9	4.7	4.8	49.1
Physical/related sciences	395,000	100.0	8.5	2.8	24.2	0.5	7.9	5.1	2.2	2.5	4.5	D	41.8
Chemistry, except biochemistry	194,000	100.0	5.3	2.9	31.4	D	7.3	8.4	1.9	2.2	3.4	D	36.7
Earth/atmospheric/ocean sciences	100,000	100.0	7.5	1.4	26.0	D	8.5	1.3	2.6	3.3	5.5	D	43.9
Physics/astronomy	68,000	100.0	19.9	1.3	9.0	0.9	11.2	S	S	3.1	6.7	D	44.7
Other physical sciences	33,000	100.0	6.8	S	8.5	D	S	S	D	S	3.1	D	59.4
Social/related sciences	2,958,000	100.0	3.8	0.4	0.2	2.7	0.4	4.2	0.8	1.3	1.3	0.1	84.8
Economics	495,000	100.0	5.7	1.2	D	2.4	0.7	0.8	1.4	0.5	1.3	S	85.8
Political/related sciences	562,000	100.0	3.5	D	D	2.5	0.8	2.3	0.7	1.2	1.4	D	87.2
Psychology	901,000	100.0	3.1	0.3	D	3.3	0.3	7.6	0.7	0.9	1.1	D	82.6
Sociology/anthropology	678,000	100.0	3.4	S	D	2.3	D	4.4	S	1.3	0.3	D	87.4
Other social sciences	322,000	100.0	4.2	0.8	0.3	2.9	0.6	3.1	0.8	3.8	3.7	D	79.6

TABLE 3. Broad occupation category of employed U.S. scientists and engineers, by level and field of highest degree: 2008
(Percent distribution)

Level and field of highest degree	All occupations		S&E occupations					S&E-related occupations					Non-S&E occupations
	Number	Percent	Computer/ mathematical scientists	Biological/ agricultural/ other life scientists	Physical/ related scientists	Social/ related scientists	Engineers	Health occupations	S&E managers	S&E pre-college teachers	S&E technicians and technologists	Other S&E-related jobs	
Engineering	1,709,000	100.0	11.4	0.2	0.4	0.3	47.6	0.6	5.4	0.3	3.0	0.7	29.9
Aerospace/aeronautical/ astronautical engineering	54,000	100.0	4.8	D	D	D	48.3	D	2.5	D	S	D	39.3
Chemical engineering	121,000	100.0	4.0	0.4	2.8	D	53.4	S	7.1	S	1.5	D	28.4
Civil/architectural engineering	292,000	100.0	2.2	D	D	D	55.6	D	7.5	D	2.1	3.2	28.7
Electrical/computer engineering	547,000	100.0	25.6	D	0.1	0.2	40.5	0.4	4.8	S	4.3	D	23.8
Industrial engineering	101,000	100.0	8.6	D	D	D	37.2	D	3.9	D	3.6	D	42.7
Mechanical engineering	389,000	100.0	3.9	D	D	0.3	57.2	S	5.2	S	2.3	D	29.8
Other engineering	205,000	100.0	8.2	1.3	1.1	0.3	38.5	2.0	4.2	D	3.1	D	40.3
S&E-related fields	2,406,000	100.0	3.5	0.3	0.1	0.4	2.0	58.2	1.9	1.9	1.2	4.3	26.1
Health	1,782,000	100.0	1.4	0.4	0.1	S	0.2	78.2	2.1	0.3	0.3	D	17.0
Science/mathematics teacher education	138,000	100.0	3.1	D	1.0	D	D	4.0	D	28.2	S	D	60.0
Technology/technical fields	257,000	100.0	19.5	D	D	D	15.3	S	2.7	S	7.5	D	52.1
Other S&E-related fields	229,000	100.0	1.9	D	D	2.0	1.4	D	0.5	D	S	44.9	48.1
Non-S&E fields	971,000	100.0	24.1	1.4	0.7	1.9	3.7	13.5	4.2	6.5	8.7	0.8	34.5
Arts/humanities	197,000	100.0	26.9	D	D	3.9	2.5	13.2	4.5	7.8	10.5	2.0	28.5
Education, except science/mathematics teacher education	157,000	100.0	6.1	S	D	S	1.7	15.1	1.4	23.2	4.1	D	45.3
Management/administration	385,000	100.0	32.6	1.2	0.6	S	4.4	10.2	5.2	1.2	10.8	D	32.8
Sales/marketing	48,000	100.0	20.3	D	D	6.0	9.2	10.0	D	D	D	D	47.0
Social services/related	31,000	100.0	29.7	D	D	D	D	20.7	S	D	13.2	D	28.0
Other non-S&E fields	154,000	100.0	17.9	4.2	2.2	2.8	4.2	20.3	4.3	3.5	6.6	D	33.1
Master's degrees	5,690,000	100.0	10.7	2.2	1.5	3.8	8.4	12.7	3.4	5.9	1.5	1.2	48.6
S&E fields	2,085,000	100.0	19.4	4.4	3.3	6.7	16.9	2.8	3.9	2.6	2.4	0.6	37.0
Sciences	1,481,000	100.0	20.2	5.9	4.3	9.2	2.1	3.8	3.1	3.5	2.5	0.5	44.7
Biological/agricultural/environmental life sciences	219,000	100.0	4.4	34.5	4.2	0.6	2.0	10.6	3.2	6.0	3.4	D	30.6
Agricultural sciences	31,000	100.0	D	41.0	2.6	D	S	9.1	D	5.0	S	D	31.6
Biological sciences	154,000	100.0	4.3	37.6	3.0	0.4	0.6	12.9	3.0	6.8	3.4	D	28.0
Environmental life sciences	34,000	100.0	5.8	14.8	10.9	1.9	6.3	S	5.7	3.2	5.0	D	41.1
Computer/mathematical sciences	430,000	100.0	60.0	0.2	D	0.7	3.6	0.3	5.3	2.6	4.7	1.3	21.3
Computer/information sciences	326,000	100.0	63.5	D	D	0.5	3.5	0.3	6.7	1.0	4.6	D	19.5
Mathematics/statistics	104,000	100.0	49.0	D	D	1.1	4.0	D	1.1	7.5	4.8	5.0	27.1
Physical/related sciences	129,000	100.0	8.5	4.5	40.3	D	6.5	1.3	4.0	8.5	3.1	D	23.0
Chemistry, except biochemistry	41,000	100.0	2.0	6.9	45.0	D	2.7	3.1	S	10.0	4.8	D	22.8

TABLE 3. Broad occupation category of employed U.S. scientists and engineers, by level and field of highest degree: 2008
(Percent distribution)

Level and field of highest degree	All occupations		S&E occupations					S&E-related occupations					Non-S&E occupations
	Number	Percent	Computer/ mathematical scientists	Biological/ agricultural/ other life scientists	Physical/ related scientists	Social/ related scientists	Engineers	Health occupations	S&E managers	S&E pre-college teachers	S&E technicians and technologists	Other S&E-related jobs	
Earth/atmospheric/ocean sciences	50,000	100.0	5.4	S	51.3	D	3.9	D	6.1	6.6	0.9	D	20.7
Physics/astronomy	34,000	100.0	21.6	1.7	22.7	D	15.7	D	S	7.4	3.5	D	23.7
Other physical sciences	5,000	100.0	D	S	S	D	D	D	D	S	D	D	44.6
Social/related sciences	703,000	100.0	3.0	0.8	0.3	18.8	0.5	4.3	1.7	2.4	0.7	D	67.5
Economics	61,000	100.0	6.2	S	D	18.6	S	D	D	D	D	D	67.0
Political/related sciences	121,000	100.0	5.0	D	D	13.7	D	5.2	2.8	3.7	D	D	68.7
Psychology	385,000	100.0	1.4	0.8	D	21.1	D	5.0	1.8	1.2	0.4	D	68.2
Sociology/anthropology	58,000	100.0	4.3	1.8	D	25.6	D	0.6	D	S	D	D	62.9
Other social sciences	77,000	100.0	4.1	0.6	2.0	10.5	D	4.1	S	8.4	3.3	D	65.9
Engineering	604,000	100.0	17.4	0.7	1.0	0.5	53.0	0.3	5.8	0.4	2.1	0.9	18.0
Aerospace/aeronautical/ astronautical engineering	20,000	100.0	4.8	D	D	D	58.2	D	7.6	D	D	D	22.5
Chemical engineering	27,000	100.0	8.2	2.2	2.3	D	52.4	D	4.9	S	2.5	D	23.7
Civil/architectural engineering	93,000	100.0	4.5	D	0.6	D	65.1	D	4.9	D	1.2	4.8	18.6
Electrical/computer engineering	219,000	100.0	32.5	D	0.5	D	44.2	0.3	6.5	D	2.2	D	13.1
Industrial engineering	34,000	100.0	19.0	D	D	D	41.9	D	1.8	D	1.5	D	31.5
Mechanical engineering	92,000	100.0	11.3	D	D	D	63.8	D	6.5	S	2.6	D	14.5
Other engineering	119,000	100.0	8.3	2.5	2.5	0.5	53.7	0.6	5.8	0.3	2.3	D	23.4
S&E-related fields	1,105,000	100.0	3.1	1.7	0.2	1.7	1.1	49.3	3.0	8.8	0.4	4.5	26.3
Health	802,000	100.0	1.5	2.2	0.2	1.0	S	67.6	3.7	0.3	D	D	23.2
Science/mathematics teacher education	162,000	100.0	4.5	D	D	D	D	0.8	D	58.0	D	D	34.9
Technology/technical fields	46,000	100.0	31.5	D	D	D	18.1	D	6.2	D	5.9	D	32.0
Other S&E-related fields	95,000	100.0	S	D	D	9.8	1.6	D	D	D	D	51.1	34.9
Non-S&E fields	2,501,000	100.0	6.8	0.7	0.5	2.4	4.6	4.9	3.2	7.3	1.3	0.2	68.2
Arts/humanities	95,000	100.0	9.6	D	D	S	0.5	8.5	D	10.7	4.1	D	64.4
Education, except science/mathematics teacher education	730,000	100.0	1.9	D	0.5	1.5	0.2	5.2	0.5	20.5	0.3	D	69.1
Management/administration	1,017,000	100.0	11.7	0.7	0.6	1.1	9.9	3.9	5.9	1.1	2.1	0.3	62.6
Sales/marketing	100,000	100.0	5.5	D	D	11.7	4.4	D	D	D	D	D	74.0
Social services/related	291,000	100.0	2.1	D	D	6.1	0.6	4.5	2.4	1.1	D	D	82.7
Other non-S&E fields	268,000	100.0	5.8	2.8	0.6	2.7	2.8	8.1	2.6	2.8	1.1	D	70.4
Doctoral degrees	934,000	100.0	9.8	16.7	10.0	15.4	11.5	7.0	3.5	1.6	0.5	0.1	24.1
S&E fields	742,000	100.0	11.0	19.2	12.4	17.5	14.0	4.3	4.0	0.6	0.6	0.1	16.4
Sciences	603,000	100.0	11.0	23.1	14.2	21.5	2.8	5.1	3.6	0.7	0.5	0.1	17.4

TABLE 3. Broad occupation category of employed U.S. scientists and engineers, by level and field of highest degree: 2008
(Percent distribution)

Level and field of highest degree	All occupations		S&E occupations					S&E-related occupations					Non-S&E occupations
	Number	Percent	Computer/ mathematical scientists	Biological/ agricultural/ other life scientists	Physical/ related scientists	Social/ related scientists	Engineers	Health occupations	S&E managers	S&E pre-college teachers	S&E technicians and technologists	Other S&E-related jobs	
Biological/agricultural/environmental life sciences	206,000	100.0	3.1	59.8	2.8	0.7	1.4	11.6	5.3	0.8	0.7	D	13.8
Agricultural sciences	19,000	100.0	2.0	65.3	2.9	0.7	1.0	2.3	6.3	0.8	D	D	18.3
Biological sciences	180,000	100.0	3.2	59.8	2.2	0.6	1.3	13.0	5.0	0.8	0.7	D	13.3
Environmental life sciences	7,000	100.0	2.1	45.9	17.1	5.3	4.8	D	10.0	D	D	D	12.3
Computer/mathematical sciences	60,000	100.0	77.1	0.9	0.9	0.4	4.6	0.5	1.9	0.9	0.4	0.3	12.1
Computer/information sciences	24,000	100.0	77.3	0.4	D	D	6.0	0.8	3.5	0.5	D	D	9.3
Mathematics/statistics	37,000	100.0	76.9	1.2	0.7	0.5	3.6	D	0.9	S	0.3	0.5	13.9
Physical/related sciences	140,000	100.0	6.3	8.1	55.9	0.3	7.7	1.3	4.4	1.1	0.8	D	14.1
Chemistry, except biochemistry	71,000	100.0	3.0	11.9	54.8	D	4.9	1.8	5.0	1.2	1.0	D	16.3
Earth/atmospheric/ocean sciences	19,000	100.0	2.8	2.8	75.2	D	3.7	D	3.8	1.3	D	D	9.8
Physics/astronomy	48,000	100.0	12.7	3.4	50.8	S	13.1	0.9	3.9	0.8	0.9	D	12.9
Other physical sciences	2,000	100.0	D	32.3	34.9	D	10.7	D	D	D	D	D	10.2
Social/related sciences	196,000	100.0	2.2	2.3	0.5	65.0	0.4	2.3	1.6	0.3	0.1	D	25.3
Economics	24,000	100.0	3.1	0.6	D	67.0	D	0.8	S	D	D	D	27.0
Political/related sciences	22,000	100.0	1.8	D	0.5	58.0	D	1.4	D	D	D	D	37.3
Psychology	106,000	100.0	1.7	2.8	D	70.4	0.5	2.4	2.5	0.2	D	D	19.5
Sociology/anthropology	27,000	100.0	2.3	1.8	S	63.8	D	3.5	0.6	D	D	D	27.5
Other social sciences	17,000	100.0	4.7	4.8	3.6	39.7	1.1	3.6	D	0.9	0.9	D	40.0
Engineering	140,000	100.0	11.2	2.3	4.3	0.3	62.0	1.1	5.7	0.3	0.8	D	12.0
Aerospace/aeronautical/ astronautical engineering	7,000	100.0	9.3	D	6.4	D	68.6	D	6.2	D	D	D	6.4
Chemical engineering	18,000	100.0	5.5	4.7	6.2	D	60.3	S	7.5	D	D	D	14.1
Civil/architectural engineering	12,000	100.0	5.7	D	4.2	D	73.4	D	7.4	D	D	D	8.5
Electrical/computer engineering	42,000	100.0	20.5	0.6	1.8	D	59.5	0.7	4.2	S	0.8	D	10.7
Industrial engineering	4,000	100.0	22.2	D	D	D	39.9	S	8.3	D	D	D	25.2
Mechanical engineering	19,000	100.0	6.5	D	1.9	D	71.1	D	4.1	D	1.0	D	13.9
Other engineering	39,000	100.0	6.8	4.9	7.5	D	58.5	2.1	6.5	S	1.3	D	12.0
S&E-related fields	66,000	100.0	5.8	17.8	1.5	3.3	4.0	40.5	2.7	3.3	D	D	20.1
Health	50,000	100.0	1.3	22.6	1.7	2.5	S	53.2	3.5	D	D	D	14.2
Science/mathematics teacher education	8,000	100.0	29.4	D	D	D	D	D	D	26.6	D	D	34.5
Technology/technical fields	4,000	100.0	22.7	D	D	D	62.8	D	D	D	D	D	D
Other S&E-related fields	4,000	100.0	D	D	D	S	D	D	D	D	D	D	75.8
Non-S&E fields	126,000	100.0	5.0	1.2	D	9.2	0.7	5.0	D	6.2	D	D	71.5
Arts/humanities	16,000	100.0	7.6	D	D	D	D	D	D	D	D	D	82.9

TABLE 3. Broad occupation category of employed U.S. scientists and engineers, by level and field of highest degree: 2008
(Percent distribution)

Level and field of highest degree	All occupations		S&E occupations					S&E-related occupations					Non-S&E occupations
	Number	Percent	Computer/ mathematical scientists	Biological/ agricultural/ other life scientists	Physical/ related scientists	Social/ related scientists	Engineers	Health occupations	S&E managers	S&E pre-college teachers	S&E technicians and technologists	Other S&E-related jobs	
Education, except science/mathematics teacher education	58,000	100.0	S	D	D	8.6	D	8.5	D	7.8	D	D	70.1
Management/administration	15,000	100.0	D	D	D	S	D	D	D	D	D	D	74.9
Sales/marketing	2,000	100.0	D	D	D	D	D	D	D	D	D	D	100.0
Social services/related	19,000	100.0	S	D	D	11.2	D	D	D	D	D	D	67.3
Other non-S&E fields	17,000	100.0	S	D	D	16.5	D	5.3	D	D	D	D	64.4

D = suppressed to avoid disclosure of confidential information. S = suppressed for reliability; coefficient of variation exceeds publication standards.

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. Numbers are rounded to nearest thousand. Percentages are based on unrounded numbers and rounded to nearest tenth. Detail may not add to total because of rounding.

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

TABLE 4. Employed U.S. scientists and engineers reporting one or more disabilities, by broad field of highest degree, selected occupations, and degree level: 2008

Level and field of highest degree, and broad occupational category	Total with disability	Type of disability			
		Hearing	Seeing	Walking	Lifting
All degree levels and fields and occupations[a]	1,369,000	542,000	648,000	229,000	321,000
S&E occupations	318,000	127,000	160,000	49,000	58,000
S&E-related occupations	348,000	129,000	155,000	63,000	93,000
Non-S&E occupations	703,000	286,000	333,000	117,000	170,000
Biological/agricultural/environmental life sciences degree fields	103,000	48,000	49,000	14,000	18,000
S&E occupations	25,000	11,000	13,000	3,000	3,000
S&E-related occupations	29,000	12,000	14,000	4,000	7,000
Non-S&E occupations	49,000	24,000	23,000	7,000	9,000
Computer/mathematical sciences degree fields	104,000	40,000	49,000	18,000	26,000
S&E occupations	60,000	23,000	26,000	11,000	13,000
S&E-related occupations	15,000	5,000	8,000	S	3,000
Non-S&E occupations	29,000	13,000	14,000	6,000	10,000
Physical/related sciences degree fields	50,000	20,000	25,000	6,000	11,000
S&E occupations	24,000	11,000	11,000	4,000	5,000
S&E-related occupations	7,000	3,000	4,000	1,000	1,000
Non-S&E occupations	20,000	6,000	10,000	1,000	6,000
Social/related sciences degree fields	299,000	113,000	144,000	55,000	79,000
S&E occupations	30,000	8,000	14,000	7,000	9,000
S&E-related occupations	24,000	8,000	10,000	6,000	9,000
Non-S&E occupations	246,000	97,000	120,000	42,000	62,000
Engineering degree fields	171,000	79,000	88,000	25,000	26,000
S&E occupations	101,000	45,000	52,000	14,000	14,000
S&E-related occupations	19,000	9,000	9,000	4,000	7,000
Non-S&E occupations	50,000	26,000	27,000	8,000	6,000
S&E-related degree fields	315,000	115,000	142,000	63,000	82,000
S&E occupations	22,000	9,000	13,000	3,000	5,000
S&E-related occupations	193,000	71,000	81,000	36,000	51,000
Non-S&E occupations	100,000	35,000	48,000	23,000	26,000
Non-S&E degree fields	326,000	126,000	151,000	48,000	78,000
S&E occupations	56,000	20,000	30,000	7,000	10,000
S&E-related occupations	61,000	21,000	29,000	11,000	16,000
Non-S&E occupations	210,000	85,000	92,000	30,000	52,000
Bachelor's degrees	814,000	322,000	402,000	136,000	184,000
S&E occupations	181,000	74,000	95,000	28,000	31,000
S&E-related occupations	210,000	70,000	97,000	38,000	61,000
Non-S&E occupations	422,000	177,000	210,000	70,000	92,000
Biological/agricultural/environmental life sciences degree fields	78,000	38,000	36,000	11,000	14,000
S&E occupations	11,000	6,000	6,000	1,000	1,000
S&E-related occupations	24,000	11,000	10,000	S	6,000
Non-S&E occupations	43,000	21,000	20,000	7,000	8,000
Computer/mathematical sciences degree fields	79,000	30,000	36,000	13,000	19,000
S&E occupations	43,000	16,000	19,000	9,000	9,000
S&E-related occupations	13,000	4,000	7,000	D	3,000
Non-S&E occupations	23,000	9,000	10,000	4,000	7,000
Physical/related sciences degree fields	31,000	11,000	15,000	3,000	7,000
S&E occupations	11,000	5,000	5,000	2,000	3,000
S&E-related occupations	6,000	3,000	3,000	D	1,000
Non-S&E occupations	14,000	4,000	7,000	D	4,000
Social/related sciences degree fields	234,000	93,000	116,000	41,000	59,000
S&E occupations	10,000	3,000	6,000	S	S

TABLE 4. Employed U.S. scientists and engineers reporting one or more disabilities, by broad field of highest degree, selected occupations, and degree level: 2008

Level and field of highest degree, and broad occupational category	Total with disability	Type of disability			
		Hearing	Seeing	Walking	Lifting
S&E-related occupations	21,000	7,000	9,000	6,000	7,000
Non-S&E occupations	203,000	83,000	101,000	33,000	49,000
Engineering degree fields	125,000	62,000	64,000	19,000	19,000
S&E occupations	66,000	31,000	35,000	9,000	9,000
S&E-related occupations	15,000	8,000	7,000	3,000	6,000
Non-S&E occupations	44,000	23,000	23,000	7,000	5,000
S&E-related degree fields	181,000	58,000	85,000	36,000	50,000
S&E occupations	12,000	5,000	8,000	2,000	3,000
S&E-related occupations	100,000	30,000	44,000	20,000	31,000
Non-S&E occupations	69,000	23,000	33,000	14,000	16,000
Non-S&E degree fields	85,000	30,000	50,000	13,000	15,000
S&E occupations	27,000	8,000	17,000	2,000	5,000
S&E-related occupations	31,000	9,000	17,000	4,000	7,000
Non-S&E occupations	27,000	13,000	16,000	6,000	S
Master's degrees	381,000	139,000	177,000	68,000	102,000
S&E occupations	92,000	36,000	44,000	14,000	18,000
S&E-related occupations	79,000	32,000	36,000	17,000	21,000
Non-S&E occupations	210,000	72,000	97,000	37,000	63,000
Biological/agricultural/environmental life sciences degree fields	14,000	6,000	8,000	1,000	2,000
S&E occupations	6,000	2,000	4,000	D	D
S&E-related occupations	3,000	S	2,000	D	S
Non-S&E occupations	4,000	3,000	D	D	D
Computer/mathematical sciences degree fields	22,000	9,000	12,000	4,000	6,000
S&E occupations	13,000	5,000	6,000	2,000	3,000
S&E-related occupations	2,000	D	1,000	D	D
Non-S&E occupations	6,000	3,000	4,000	S	3,000
Physical/related sciences degree fields	10,000	5,000	4,000	2,000	3,000
S&E occupations	5,000	3,000	2,000	1,000	S
S&E-related occupations	S	D	D	D	D
Non-S&E occupations	4,000	D	2,000	D	D
Social/related sciences degree fields	49,000	15,000	21,000	11,000	16,000
S&E occupations	8,000	2,000	4,000	1,000	3,000
S&E-related occupations	2,000	1,000	1,000	D	S
Non-S&E occupations	38,000	12,000	16,000	9,000	12,000
Engineering degree fields	36,000	13,000	19,000	5,000	6,000
S&E occupations	28,000	11,000	14,000	4,000	4,000
S&E-related occupations	3,000	1,000	2,000	D	D
Non-S&E occupations	5,000	2,000	4,000	*	S
S&E-related degree fields	73,000	26,000	34,000	20,000	21,000
S&E occupations	7,000	3,000	4,000	D	S
S&E-related occupations	41,000	15,000	18,000	10,000	11,000
Non-S&E occupations	25,000	8,000	12,000	9,000	8,000
Non-S&E degree fields	178,000	64,000	79,000	27,000	49,000
S&E occupations	25,000	10,000	11,000	5,000	4,000
S&E-related occupations	26,000	12,000	11,000	6,000	7,000
Non-S&E occupations	127,000	42,000	57,000	16,000	38,000
Doctoral degrees	65,000	26,000	31,000	10,000	14,000
S&E occupations	40,000	16,000	20,000	7,000	8,000
S&E-related occupations	6,000	2,000	3,000	1,000	2,000
Non-S&E occupations	18,000	8,000	7,000	2,000	4,000

TABLE 4. Employed U.S. scientists and engineers reporting one or more disabilities, by broad field of highest degree, selected occupations, and degree level: 2008

Level and field of highest degree, and broad occupational category	Total with disability	Type of disability			
		Hearing	Seeing	Walking	Lifting
Biological/agricultural/environmental life sciences degree fields	12,000	4,000	5,000	2,000	2,000
S&E occupations	8,000	3,000	3,000	1,000	1,000
S&E-related occupations	2,000	1,000	1,000	*	*
Non-S&E occupations	2,000	1,000	1,000	*	*
Computer/mathematical sciences degree fields	4,000	2,000	1,000	1,000	1,000
S&E occupations	3,000	1,000	1,000	*	1,000
S&E-related occupations	D	D	D	D	D
Non-S&E occupations	1,000	*	*	*	D
Physical/related sciences degree fields	9,000	4,000	5,000	1,000	1,000
S&E occupations	7,000	3,000	4,000	1,000	1,000
S&E-related occupations	1,000	*	*	*	*
Non-S&E occupations	1,000	1,000	1,000	*	*
Social/related sciences degree fields	15,000	5,000	7,000	3,000	4,000
S&E occupations	11,000	3,000	4,000	3,000	3,000
S&E-related occupations	*	*	*	D	D
Non-S&E occupations	4,000	1,000	2,000	1,000	1,000
Engineering degree fields	9,000	4,000	5,000	1,000	2,000
S&E occupations	7,000	3,000	4,000	1,000	1,000
S&E-related occupations	1,000	*	*	D	D
Non-S&E occupations	1,000	1,000	1,000	*	*
S&E-related degree fields	3,000	1,000	2,000	*	1,000
S&E occupations	1,000	*	1,000	*	*
S&E-related occupations	2,000	*	1,000	*	1,000
Non-S&E occupations	*	D	*	*	*
Non-S&E degree fields	12,000	6,000	5,000	1,000	3,000
S&E occupations	3,000	S	S	D	D
S&E-related occupations	D	D	D	D	D
Non-S&E occupations	8,000	4,000	3,000	D	2,000

* = value < 500. D = suppressed to avoid disclosure of confidential information. S = suppressed for reliability; coefficient of variation exceeds publication standards.

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. Numbers are rounded to nearest thousand. Detail may not add to total because of rounding and because person may report more than one disability. Scientists and Engineers Statistical Data System surveys ask degree of difficulty—none, slight, moderate, severe, unable to do—individual has in seeing (with glasses/contact lenses), hearing (with hearing aid), walking without assistance, or lifting 10 pounds. Respondents who answered "moderate," "severe," or "unable to do" for any activity were classified as having disability.

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

TABLE 5. U.S. scientists and engineers, by detailed field and level of highest degree: 2008

Field of highest degree	Level of highest degree			
	All degree levels[a]	Bachelor's	Master's	Doctorate
All degree fields	23,279,000	13,193,000	6,893,000	1,091,000
S&E fields	12,588,000	9,165,000	2,544,000	854,000
Sciences	9,668,000	7,116,000	1,831,000	696,000
Biological/agricultural/environmental life sciences	1,958,000	1,446,000	278,000	234,000
Agricultural/food sciences	312,000	254,000	37,000	22,000
Animal sciences	125,000	116,000	4,000	5,000
Food sciences/technology	39,000	28,000	8,000	3,000
Plant sciences	91,000	66,000	14,000	10,000
Other agricultural sciences	58,000	43,000	11,000	4,000
Biological sciences	1,439,000	1,035,000	200,000	203,000
Biochemistry/biophysics	126,000	72,000	13,000	41,000
Biology, general	671,000	617,000	47,000	8,000
Botany	37,000	21,000	8,000	7,000
Cell/molecular biology	69,000	31,000	11,000	26,000
Ecology	66,000	31,000	26,000	9,000
Genetics, animal/plant	21,000	6,000	5,000	10,000
Microbiological sciences/immunology	111,000	72,000	19,000	20,000
Nutritional science	50,000	34,000	13,000	3,000
Pharmacology, human/animal	24,000	6,000	6,000	11,000
Physiology/pathology/human/animal	58,000	31,000	10,000	17,000
Zoology, general	83,000	53,000	15,000	14,000
Other biological sciences	123,000	62,000	25,000	36,000
Environmental life sciences	207,000	158,000	41,000	8,000
Environmental science studies	124,000	94,000	27,000	4,000
Forestry sciences	83,000	64,000	14,000	5,000
Computer/mathematical sciences	1,921,000	1,355,000	499,000	67,000
Computer/information sciences	1,279,000	887,000	367,000	25,000
Computer/information sciences	235,000	147,000	69,000	18,000
Computer science	708,000	497,000	206,000	5,000
Computer systems analysis	41,000	28,000	13,000	D
Information services/systems	209,000	154,000	55,000	D
Other computer/information sciences	85,000	60,000	24,000	1,000
Mathematics/statistics	642,000	468,000	132,000	43,000
Applied mathematics	110,000	81,000	21,000	8,000
Mathematics, general	399,000	334,000	60,000	5,000
Operations research	34,000	12,000	18,000	4,000
Statistics	57,000	24,000	24,000	9,000
Other mathematics	43,000	18,000	8,000	17,000
Physical/related sciences	846,000	518,000	159,000	169,000
Chemistry, except biochemistry	400,000	258,000	54,000	88,000
Earth/atmospheric/ocean sciences	204,000	125,000	58,000	22,000
Atmospheric sciences/meteorology	24,000	13,000	8,000	3,000
Earth sciences	22,000	16,000	5,000	*
Geology	122,000	83,000	31,000	8,000
Other geological sciences	24,000	8,000	9,000	7,000
Oceanography	12,000	5,000	4,000	3,000
Physics/astronomy	188,000	91,000	41,000	56,000
Astronomy/astrophysics	11,000	2,000	3,000	6,000
Physics	178,000	89,000	38,000	51,000
Other physical sciences	53,000	44,000	6,000	3,000

TABLE 5. U.S. scientists and engineers, by detailed field and level of highest degree: 2008

Field of highest degree	Level of highest degree			
	All degree levels[a]	Bachelor's	Master's	Doctorate
Social/related sciences	4,943,000	3,797,000	895,000	226,000
Economics	706,000	597,000	81,000	28,000
Agricultural economics	103,000	87,000	13,000	3,000
Economics	603,000	511,000	68,000	25,000
Political/related sciences	892,000	721,000	146,000	25,000
Public policy studies	53,000	10,000	40,000	3,000
International relations	137,000	90,000	44,000	3,000
Political science/government	703,000	621,000	63,000	19,000
Psychology	1,827,000	1,189,000	493,000	120,000
Educational psychology	122,000	30,000	86,000	5,000
Clinical psychology	153,000	41,000	55,000	43,000
Counseling psychology	316,000	65,000	231,000	14,000
Experimental psychology	46,000	32,000	5,000	9,000
Psychology, general	920,000	864,000	44,000	8,000
Industrial/organizational psychology	62,000	35,000	21,000	4,000
Social psychology	52,000	38,000	5,000	8,000
Other psychology	157,000	83,000	45,000	28,000
Sociology/anthropology	978,000	873,000	73,000	32,000
Anthropology/archeology	161,000	124,000	24,000	12,000
Criminology	84,000	74,000	8,000	1,000
Sociology	734,000	675,000	40,000	19,000
Other social sciences	540,000	417,000	103,000	21,000
Area/ethnic studies	122,000	95,000	25,000	2,000
Linguistics	37,000	21,000	11,000	5,000
Philosophy of science	23,000	21,000	D	D
Geography	136,000	109,000	22,000	5,000
History of science	19,000	14,000	4,000	1,000
Other social sciences	202,000	157,000	39,000	6,000
Engineering	2,921,000	2,049,000	713,000	158,000
Aerospace/related engineering	96,000	65,000	23,000	8,000
Chemical engineering	207,000	154,000	33,000	21,000
Civil/architectural engineering	457,000	336,000	107,000	13,000
Architectural engineering	40,000	31,000	10,000	D
Civil engineering	416,000	305,000	97,000	13,000
Electrical/computer engineering	936,000	629,000	261,000	46,000
Computer/systems engineering	192,000	110,000	75,000	7,000
Other electrical/related engineering	744,000	519,000	185,000	40,000
Industrial engineering	183,000	135,000	43,000	4,000
Mechanical engineering	605,000	477,000	108,000	20,000
Other engineering	437,000	253,000	139,000	45,000
Agricultural engineering	29,000	24,000	3,000	2,000
Bioengineering/biomedical engineering	41,000	19,000	15,000	7,000
Engineering science, mechanical/physics	40,000	23,000	11,000	6,000
Environmental engineering	50,000	19,000	28,000	2,000
Engineering, general	50,000	38,000	11,000	1,000
Geophysical/geological engineering	6,000	4,000	2,000	D
Materials engineering	51,000	25,000	14,000	12,000
Metallurgical engineering	23,000	16,000	4,000	4,000
Mining/minerals engineering	18,000	13,000	4,000	1,000
Naval architecture/marine engineering	15,000	13,000	2,000	D
Nuclear engineering	15,000	6,000	6,000	3,000

TABLE 5. U.S. scientists and engineers, by detailed field and level of highest degree: 2008

Field of highest degree	Level of highest degree			
	All degree levels[a]	Bachelor's	Master's	Doctorate
Petroleum engineering	22,000	18,000	4,000	*
Other engineering	77,000	36,000	36,000	5,000
S&E-related fields	5,570,000	2,911,000	1,306,000	75,000
Health	4,421,000	2,160,000	929,000	54,000
Audiology/speech pathology	212,000	58,000	147,000	4,000
Health services administration	207,000	87,000	119,000	1,000
Health/medical assistance	27,000	12,000	15,000	D
Health/medical technologies	159,000	149,000	9,000	D
Medical preparatory programs	36,000	35,000	S	D
Medicine	1,259,000	43,000	18,000	9,000
Nursing	1,398,000	1,122,000	267,000	9,000
Pharmacy	276,000	190,000	14,000	4,000
Physical therapy/other rehabilitation/therapeutic services	395,000	235,000	141,000	5,000
Public health	161,000	51,000	98,000	12,000
Other health/medical sciences	291,000	178,000	101,000	8,000
Science/mathematics teacher education	426,000	199,000	216,000	11,000
Computer teacher education	37,000	2,000	35,000	D
Mathematics teacher education	143,000	66,000	72,000	5,000
Science teacher education	130,000	51,000	74,000	5,000
Social science teacher education	116,000	80,000	35,000	1,000
Technology/technical fields	352,000	291,000	56,000	5,000
Computer programming	68,000	57,000	10,000	D
Data processing	5,000	4,000	D	D
Electrical/electronic technologies	51,000	45,000	5,000	1,000
Industrial production technologies	106,000	92,000	14,000	D
Mechanical engineering-related technologies	39,000	33,000	5,000	S
Other engineering-related technologies	82,000	60,000	20,000	2,000
Other S&E-related fields	371,000	261,000	106,000	4,000
Architecture/environmental design	359,000	250,000	104,000	4,000
Actuarial science	12,000	11,000	S	D
Non-S&E fields	5,120,000	1,117,000	3,043,000	163,000
Arts/humanities	373,000	228,000	123,000	20,000
Education, except science/mathematics teacher education	1,195,000	197,000	919,000	75,000
Management/administration	1,648,000	433,000	1,197,000	17,000
Sales/marketing	172,000	51,000	119,000	2,000
Social services/related	422,000	36,000	347,000	24,000
Other non-S&E fields	1,311,000	172,000	337,000	24,000

* = value < 500. D = suppressed to avoid disclosure of confidential information. S = suppressed for reliability; coefficient of variation exceeds publication standards.

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. Numbers are rounded to nearest thousand. Detail may not add to total because of rounding.

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

TABLE 6. U.S. scientists and engineers, by level and field of highest degree, sex, ethnicity, and race: 2008

Level and field of highest degree and sex	All scientists and engineers	Hispanic or Latino	Not Hispanic or Latino				
			American Indian or Alaska Native	Asian	Black or African American	White	Other[a]
All degree levels and fields[b]	23,279,000	1,263,000	93,000	2,389,000	1,305,000	17,757,000	472,000
Male	12,561,000	626,000	47,000	1,333,000	530,000	9,785,000	240,000
Female	10,718,000	637,000	46,000	1,056,000	775,000	7,972,000	232,000
S&E fields	12,588,000	722,000	46,000	1,545,000	638,000	9,348,000	289,000
Male	7,593,000	388,000	24,000	944,000	300,000	5,774,000	163,000
Female	4,996,000	334,000	22,000	602,000	338,000	3,574,000	126,000
Sciences	9,668,000	558,000	39,000	1,021,000	554,000	7,264,000	231,000
Male	5,063,000	252,000	19,000	517,000	235,000	3,926,000	115,000
Female	4,605,000	306,000	20,000	505,000	319,000	3,339,000	116,000
Biological/agricultural/environmental life sciences	1,958,000	106,000	8,000	214,000	79,000	1,509,000	43,000
Male	1,019,000	51,000	6,000	93,000	26,000	822,000	22,000
Female	939,000	56,000	2,000	121,000	53,000	686,000	21,000
Agricultural/food sciences	312,000	12,000	S	17,000	7,000	267,000	8,000
Male	198,000	7,000	S	12,000	4,000	168,000	5,000
Female	115,000	5,000	D	6,000	2,000	98,000	S
Biological sciences	1,439,000	89,000	5,000	189,000	69,000	1,057,000	31,000
Male	684,000	40,000	3,000	78,000	20,000	530,000	13,000
Female	755,000	49,000	2,000	111,000	49,000	527,000	17,000
Environmental life sciences	207,000	6,000	1,000	8,000	3,000	185,000	4,000
Male	137,000	4,000	S	3,000	2,000	124,000	3,000
Female	70,000	2,000	S	4,000	1,000	61,000	1,000
Computer/mathematical sciences	1,921,000	84,000	9,000	381,000	108,000	1,304,000	34,000
Male	1,282,000	57,000	7,000	239,000	62,000	893,000	24,000
Female	639,000	27,000	2,000	143,000	47,000	411,000	9,000
Computer/information sciences	1,279,000	68,000	9,000	301,000	77,000	800,000	24,000
Male	900,000	47,000	7,000	197,000	44,000	588,000	17,000
Female	379,000	21,000	S	104,000	34,000	211,000	7,000
Mathematical sciences	642,000	17,000	*	80,000	31,000	505,000	10,000
Male	382,000	10,000	D	41,000	18,000	305,000	7,000
Female	261,000	6,000	D	39,000	13,000	200,000	2,000
Physical/related sciences	846,000	37,000	3,000	114,000	22,000	655,000	15,000
Male	604,000	21,000	2,000	71,000	14,000	487,000	9,000
Female	242,000	15,000	S	43,000	8,000	168,000	6,000
Chemistry, except biochemistry	400,000	20,000	S	69,000	13,000	289,000	7,000
Male	259,000	11,000	*	40,000	7,000	196,000	5,000
Female	141,000	8,000	S	29,000	6,000	94,000	3,000

TABLE 6. U.S. scientists and engineers, by level and field of highest degree, sex, ethnicity, and race: 2008

Level and field of highest degree and sex	All scientists and engineers	Hispanic or Latino	Not Hispanic or Latino				
			American Indian or Alaska Native	Asian	Black or African American	White	Other[a]
Earth/atmospheric/ocean sciences	204,000	7,000	*	8,000	1,000	186,000	3,000
Male	156,000	5,000	*	5,000	1,000	144,000	2,000
Female	48,000	2,000	*	3,000	*	42,000	1,000
Physics/astronomy	188,000	6,000	S	36,000	4,000	139,000	2,000
Male	160,000	5,000	S	25,000	3,000	123,000	2,000
Female	29,000	1,000	D	10,000	S	16,000	*
Other physical sciences	53,000	4,000	D	2,000	4,000	41,000	3,000
Male	29,000	1,000	D	1,000	3,000	24,000	D
Female	24,000	3,000	D	1,000	S	17,000	S
Social/related sciences	4,943,000	331,000	19,000	312,000	345,000	3,796,000	140,000
Male	2,158,000	122,000	5,000	114,000	134,000	1,723,000	60,000
Female	2,785,000	208,000	14,000	198,000	211,000	2,073,000	80,000
Economics	706,000	35,000	1,000	108,000	24,000	524,000	15,000
Male	505,000	24,000	S	50,000	18,000	403,000	10,000
Female	201,000	11,000	D	58,000	6,000	121,000	5,000
Political/related sciences	892,000	52,000	2,000	52,000	63,000	696,000	27,000
Male	520,000	26,000	S	21,000	33,000	424,000	15,000
Female	372,000	26,000	1,000	31,000	30,000	272,000	12,000
Psychology	1,827,000	137,000	7,000	72,000	132,000	1,428,000	51,000
Male	538,000	35,000	S	21,000	37,000	430,000	13,000
Female	1,289,000	102,000	6,000	51,000	95,000	997,000	38,000
Sociology/anthropology	978,000	68,000	6,000	42,000	84,000	743,000	33,000
Male	356,000	25,000	1,000	13,000	32,000	269,000	14,000
Female	622,000	43,000	5,000	30,000	52,000	474,000	19,000
Other social sciences	540,000	38,000	S	38,000	42,000	405,000	14,000
Male	239,000	12,000	S	10,000	13,000	196,000	7,000
Female	301,000	26,000	S	28,000	28,000	209,000	7,000
Engineering	2,921,000	164,000	7,000	524,000	84,000	2,084,000	58,000
Male	2,530,000	136,000	6,000	427,000	65,000	1,849,000	48,000
Female	391,000	28,000	1,000	97,000	19,000	235,000	10,000
Aerospace/related engineering	96,000	5,000	1,000	8,000	2,000	76,000	4,000
Male	87,000	5,000	S	7,000	2,000	69,000	3,000
Female	9,000	*	D	1,000	*	7,000	*
Chemical engineering	207,000	10,000	2,000	39,000	5,000	148,000	3,000
Male	159,000	6,000	S	29,000	3,000	118,000	1,000
Female	48,000	3,000	*	10,000	2,000	30,000	2,000

TABLE 6. U.S. scientists and engineers, by level and field of highest degree, sex, ethnicity, and race: 2008

Level and field of highest degree and sex	All scientists and engineers	Hispanic or Latino	Not Hispanic or Latino				
			American Indian or Alaska Native	Asian	Black or African American	White	Other[a]
Civil/architectural engineering	457,000	34,000	2,000	59,000	12,000	338,000	12,000
Male	392,000	29,000	1,000	50,000	10,000	292,000	10,000
Female	65,000	5,000	*	10,000	2,000	46,000	2,000
Electrical/computer engineering	936,000	50,000	1,000	246,000	34,000	582,000	23,000
Male	826,000	42,000	1,000	201,000	27,000	535,000	21,000
Female	110,000	8,000	D	46,000	7,000	47,000	2,000
Industrial engineering	183,000	18,000	D	26,000	8,000	129,000	2,000
Male	147,000	14,000	D	20,000	5,000	107,000	1,000
Female	35,000	4,000	D	6,000	3,000	22,000	1,000
Mechanical engineering	605,000	26,000	1,000	77,000	14,000	479,000	9,000
Male	556,000	23,000	1,000	71,000	12,000	442,000	6,000
Female	49,000	2,000	*	6,000	2,000	37,000	2,000
Other engineering	437,000	22,000	*	68,000	9,000	332,000	6,000
Male	362,000	16,000	D	49,000	6,000	286,000	4,000
Female	75,000	6,000	*	19,000	3,000	46,000	1,000
S&E-related fields	5,570,000	291,000	23,000	526,000	316,000	4,310,000	105,000
Male	2,157,000	117,000	8,000	222,000	93,000	1,675,000	42,000
Female	3,413,000	174,000	15,000	304,000	222,000	2,634,000	63,000
Health	4,421,000	233,000	18,000	440,000	255,000	3,385,000	90,000
Male	1,413,000	80,000	5,000	164,000	54,000	1,080,000	31,000
Female	3,008,000	154,000	13,000	275,000	201,000	2,305,000	60,000
Science/mathematics teacher education	426,000	14,000	2,000	13,000	23,000	369,000	5,000
Male	178,000	4,000	D	4,000	9,000	158,000	3,000
Female	248,000	10,000	2,000	9,000	14,000	211,000	S
Technology/technical fields	352,000	19,000	S	42,000	21,000	261,000	6,000
Male	300,000	18,000	D	32,000	16,000	226,000	5,000
Female	52,000	1,000	D	10,000	5,000	35,000	D
Other S&E-related fields	371,000	25,000	D	31,000	17,000	294,000	4,000
Male	265,000	16,000	D	21,000	14,000	211,000	3,000
Female	105,000	9,000	D	10,000	3,000	83,000	D
Non-S&E fields	5,120,000	250,000	24,000	318,000	351,000	4,099,000	78,000
Male	2,811,000	121,000	15,000	168,000	137,000	2,335,000	36,000
Female	2,309,000	129,000	10,000	150,000	214,000	1,764,000	42,000
Arts/humanities	373,000	18,000	D	23,000	9,000	318,000	5,000
Male	192,000	8,000	D	8,000	3,000	170,000	2,000
Female	180,000	10,000	D	14,000	5,000	148,000	3,000

TABLE 6. U.S. scientists and engineers, by level and field of highest degree, sex, ethnicity, and race: 2008

Level and field of highest degree and sex	All scientists and engineers	Hispanic or Latino	Not Hispanic or Latino				
			American Indian or Alaska Native	Asian	Black or African American	White	Other[a]
Education, except science/mathematics teacher education	1,195,000	61,000	7,000	34,000	98,000	979,000	16,000
Male	451,000	17,000	3,000	10,000	26,000	388,000	6,000
Female	744,000	43,000	4,000	24,000	72,000	591,000	9,000
Management/administration	1,648,000	80,000	8,000	172,000	105,000	1,260,000	23,000
Male	1,151,000	54,000	6,000	106,000	54,000	921,000	11,000
Female	497,000	26,000	S	66,000	52,000	339,000	11,000
Sales/marketing	172,000	9,000	D	14,000	8,000	140,000	S
Male	103,000	4,000	D	9,000	6,000	83,000	S
Female	69,000	5,000	D	5,000	2,000	57,000	D
Social services/related	422,000	23,000	1,000	13,000	45,000	333,000	7,000
Male	175,000	9,000	D	7,000	15,000	142,000	S
Female	246,000	14,000	1,000	5,000	30,000	191,000	5,000
Other non-S&E fields	1,311,000	60,000	7,000	63,000	86,000	1,069,000	27,000
Male	738,000	29,000	5,000	28,000	33,000	631,000	13,000
Female	573,000	32,000	2,000	35,000	52,000	438,000	14,000
Bachelor's degrees	13,193,000	771,000	58,000	1,179,000	764,000	10,109,000	313,000
Male	6,947,000	383,000	28,000	607,000	314,000	5,454,000	161,000
Female	6,246,000	388,000	30,000	572,000	450,000	4,655,000	152,000
S&E fields	9,165,000	575,000	36,000	882,000	506,000	6,931,000	234,000
Male	5,439,000	309,000	20,000	508,000	239,000	4,237,000	127,000
Female	3,726,000	266,000	16,000	374,000	268,000	2,694,000	106,000
Sciences	7,116,000	446,000	30,000	617,000	441,000	5,393,000	189,000
Male	3,648,000	200,000	15,000	289,000	189,000	2,864,000	91,000
Female	3,467,000	246,000	15,000	328,000	252,000	2,528,000	98,000
Biological/agricultural/environmental life sciences	1,446,000	87,000	6,000	131,000	65,000	1,124,000	33,000
Male	726,000	41,000	4,000	50,000	18,000	595,000	16,000
Female	721,000	46,000	2,000	81,000	46,000	529,000	17,000
Agricultural/food sciences	254,000	9,000	S	11,000	4,000	222,000	6,000
Male	158,000	6,000	D	8,000	S	138,000	4,000
Female	96,000	3,000	D	4,000	2,000	84,000	S
Biological sciences	1,035,000	73,000	4,000	115,000	59,000	759,000	24,000
Male	461,000	32,000	3,000	42,000	15,000	360,000	10,000
Female	574,000	41,000	1,000	74,000	44,000	399,000	14,000
Environmental life sciences	158,000	5,000	1,000	4,000	2,000	143,000	S
Male	107,000	4,000	D	1,000	2,000	98,000	S
Female	51,000	1,000	D	3,000	*	45,000	*

TABLE 6. U.S. scientists and engineers, by level and field of highest degree, sex, ethnicity, and race: 2008

Level and field of highest degree and sex	All scientists and engineers	Hispanic or Latino	Not Hispanic or Latino				
			American Indian or Alaska Native	Asian	Black or African American	White	Other[a]
Computer/mathematical sciences	1,355,000	70,000	8,000	186,000	85,000	979,000	27,000
Male	895,000	46,000	7,000	116,000	50,000	656,000	20,000
Female	460,000	23,000	D	70,000	36,000	322,000	7,000
Computer/information sciences	887,000	56,000	7,000	142,000	62,000	600,000	19,000
Male	627,000	38,000	7,000	95,000	35,000	438,000	14,000
Female	260,000	18,000	D	47,000	27,000	162,000	5,000
Mathematical sciences	468,000	14,000	D	44,000	23,000	378,000	8,000
Male	268,000	8,000	D	21,000	14,000	218,000	7,000
Female	200,000	6,000	D	23,000	9,000	160,000	2,000
Physical/related sciences	518,000	28,000	2,000	53,000	16,000	409,000	11,000
Male	351,000	15,000	1,000	30,000	9,000	292,000	5,000
Female	166,000	13,000	S	23,000	7,000	117,000	6,000
Chemistry, except biochemistry	258,000	16,000	S	34,000	10,000	192,000	6,000
Male	155,000	9,000	D	18,000	4,000	121,000	3,000
Female	103,000	7,000	D	15,000	6,000	70,000	3,000
Earth/atmospheric/ocean sciences	125,000	5,000	*	2,000	1,000	116,000	2,000
Male	96,000	3,000	D	1,000	1,000	90,000	1,000
Female	28,000	2,000	D	*	*	26,000	*
Physics/astronomy	91,000	3,000	*	16,000	2,000	68,000	1,000
Male	76,000	2,000	D	10,000	1,000	61,000	1,000
Female	15,000	S	D	6,000	S	7,000	*
Other physical sciences	44,000	4,000	D	2,000	S	33,000	S
Male	24,000	1,000	D	*	S	20,000	D
Female	20,000	3,000	D	1,000	*	13,000	D
Social/related sciences	3,797,000	262,000	14,000	247,000	275,000	2,882,000	118,000
Male	1,676,000	98,000	3,000	93,000	112,000	1,321,000	49,000
Female	2,121,000	163,000	11,000	154,000	163,000	1,561,000	68,000
Economics	597,000	30,000	1,000	90,000	20,000	443,000	14,000
Male	428,000	20,000	D	41,000	15,000	343,000	9,000
Female	170,000	10,000	D	50,000	5,000	100,000	5,000
Political/related sciences	721,000	44,000	1,000	40,000	52,000	560,000	24,000
Male	419,000	23,000	D	17,000	28,000	338,000	13,000
Female	302,000	21,000	1,000	24,000	24,000	222,000	11,000
Psychology	1,189,000	99,000	4,000	53,000	94,000	902,000	37,000
Male	340,000	25,000	D	18,000	28,000	261,000	8,000
Female	848,000	74,000	3,000	35,000	65,000	641,000	30,000

TABLE 6. U.S. scientists and engineers, by level and field of highest degree, sex, ethnicity, and race: 2008

Level and field of highest degree and sex	All scientists and engineers	Hispanic or Latino	Not Hispanic or Latino				
			American Indian or Alaska Native	Asian	Black or African American	White	Other[a]
Sociology/anthropology	873,000	59,000	6,000	37,000	75,000	665,000	31,000
Male	305,000	21,000	D	11,000	29,000	230,000	13,000
Female	568,000	38,000	5,000	26,000	46,000	435,000	18,000
Other social sciences	417,000	30,000	S	27,000	34,000	311,000	11,000
Male	184,000	9,000	D	7,000	12,000	150,000	6,000
Female	232,000	21,000	D	20,000	22,000	162,000	5,000
Engineering	2,049,000	129,000	6,000	265,000	65,000	1,538,000	45,000
Male	1,791,000	109,000	5,000	219,000	49,000	1,373,000	37,000
Female	258,000	21,000	1,000	46,000	16,000	166,000	9,000
Aerospace/related engineering	65,000	4,000	S	3,000	2,000	53,000	2,000
Male	59,000	4,000	D	3,000	2,000	48,000	2,000
Female	6,000	*	D	*	*	5,000	*
Chemical engineering	154,000	7,000	2,000	20,000	3,000	118,000	3,000
Male	115,000	5,000	S	13,000	2,000	92,000	1,000
Female	39,000	2,000	D	7,000	1,000	26,000	2,000
Civil/architectural engineering	336,000	28,000	1,000	31,000	10,000	256,000	9,000
Male	291,000	24,000	1,000	27,000	8,000	224,000	8,000
Female	44,000	4,000	D	5,000	2,000	32,000	1,000
Electrical/computer engineering	629,000	40,000	1,000	128,000	28,000	414,000	19,000
Male	566,000	34,000	S	109,000	22,000	382,000	17,000
Female	63,000	6,000	D	19,000	6,000	31,000	2,000
Industrial engineering	135,000	14,000	D	13,000	6,000	101,000	2,000
Male	109,000	11,000	D	8,000	3,000	86,000	1,000
Female	26,000	3,000	D	5,000	3,000	15,000	1,000
Mechanical engineering	477,000	21,000	1,000	45,000	11,000	391,000	7,000
Male	439,000	20,000	1,000	42,000	10,000	362,000	5,000
Female	37,000	2,000	D	2,000	1,000	29,000	2,000
Other engineering	253,000	15,000	D	25,000	5,000	205,000	3,000
Male	211,000	11,000	D	17,000	3,000	179,000	2,000
Female	42,000	4,000	D	8,000	2,000	27,000	1,000
S&E-related fields	2,911,000	156,000	15,000	237,000	183,000	2,259,000	62,000
Male	892,000	50,000	5,000	73,000	49,000	694,000	22,000
Female	2,019,000	106,000	10,000	164,000	134,000	1,565,000	40,000
Health	2,160,000	111,000	11,000	183,000	145,000	1,657,000	54,000
Male	364,000	19,000	2,000	37,000	20,000	271,000	15,000
Female	1,796,000	92,000	9,000	145,000	126,000	1,386,000	39,000

TABLE 6. U.S. scientists and engineers, by level and field of highest degree, sex, ethnicity, and race: 2008

Level and field of highest degree and sex	All scientists and engineers	Hispanic or Latino	Not Hispanic or Latino				
			American Indian or Alaska Native	Asian	Black or African American	White	Other[a]
Science/mathematics teacher education	199,000	9,000	D	6,000	8,000	175,000	D
Male	88,000	3,000	D	2,000	4,000	78,000	D
Female	111,000	6,000	D	4,000	3,000	96,000	D
Technology/technical fields	291,000	17,000	S	25,000	17,000	224,000	5,000
Male	251,000	16,000	D	19,000	14,000	195,000	5,000
Female	40,000	D	D	6,000	3,000	29,000	D
Other S&E-related fields	261,000	19,000	D	23,000	12,000	204,000	2,000
Male	190,000	12,000	D	15,000	11,000	149,000	2,000
Female	71,000	7,000	D	8,000	2,000	54,000	D
Non-S&E fields	1,117,000	40,000	7,000	60,000	75,000	918,000	18,000
Male	615,000	24,000	3,000	27,000	27,000	523,000	11,000
Female	502,000	15,000	S	33,000	48,000	395,000	6,000
Arts/humanities	228,000	7,000	D	9,000	6,000	204,000	2,000
Male	129,000	5,000	D	3,000	3,000	117,000	1,000
Female	99,000	2,000	D	6,000	S	87,000	S
Education, except science/mathematics teacher education	197,000	6,000	D	5,000	14,000	167,000	3,000
Male	66,000	3,000	D	S	3,000	56,000	D
Female	131,000	3,000	D	4,000	11,000	110,000	D
Management/administration	433,000	17,000	S	36,000	34,000	336,000	8,000
Male	287,000	12,000	D	17,000	14,000	236,000	6,000
Female	146,000	5,000	D	19,000	19,000	100,000	2,000
Sales/marketing	51,000	2,000	D	D	S	45,000	D
Male	29,000	D	D	D	D	26,000	D
Female	22,000	D	D	D	D	19,000	D
Social services/related	36,000	S	D	2,000	5,000	28,000	D
Male	22,000	D	D	S	D	18,000	D
Female	14,000	D	D	D	3,000	10,000	D
Other non-S&E fields	172,000	7,000	S	6,000	14,000	139,000	3,000
Male	81,000	2,000	D	3,000	4,000	70,000	S
Female	90,000	5,000	D	4,000	11,000	69,000	D
Master's degrees	6,893,000	334,000	26,000	799,000	414,000	5,210,000	109,000
Male	3,518,000	150,000	13,000	467,000	155,000	2,679,000	55,000
Female	3,375,000	184,000	13,000	332,000	259,000	2,532,000	54,000
S&E fields	2,544,000	120,000	8,000	497,000	108,000	1,766,000	45,000
Male	1,533,000	63,000	3,000	312,000	48,000	1,077,000	29,000
Female	1,011,000	56,000	5,000	185,000	60,000	689,000	16,000

TABLE 6. U.S. scientists and engineers, by level and field of highest degree, sex, ethnicity, and race: 2008

Level and field of highest degree and sex	All scientists and engineers	Hispanic or Latino	Not Hispanic or Latino				
			American Indian or Alaska Native	Asian	Black or African American	White	Other[a]
Sciences	1,831,000	89,000	7,000	295,000	92,000	1,314,000	34,000
Male	934,000	39,000	3,000	152,000	35,000	686,000	19,000
Female	896,000	50,000	5,000	142,000	57,000	628,000	15,000
Biological/agricultural/environmental life sciences	278,000	11,000	1,000	37,000	9,000	213,000	7,000
Male	140,000	5,000	D	13,000	4,000	113,000	4,000
Female	138,000	6,000	*	24,000	4,000	100,000	3,000
Agricultural/food sciences	37,000	2,000	D	2,000	2,000	28,000	S
Male	22,000	*	D	1,000	S	17,000	D
Female	14,000	1,000	D	1,000	*	11,000	D
Biological sciences	200,000	9,000	*	32,000	5,000	150,000	3,000
Male	94,000	4,000	D	10,000	2,000	75,000	2,000
Female	107,000	5,000	D	22,000	3,000	75,000	1,000
Environmental life sciences	41,000	1,000	D	3,000	1,000	35,000	S
Male	24,000	*	D	2,000	D	20,000	D
Female	17,000	*	D	1,000	1,000	15,000	*
Computer/mathematical sciences	499,000	13,000	S	178,000	21,000	279,000	6,000
Male	331,000	10,000	D	109,000	11,000	198,000	4,000
Female	168,000	3,000	D	69,000	11,000	81,000	2,000
Computer/information sciences	367,000	11,000	D	151,000	15,000	184,000	5,000
Male	252,000	8,000	D	95,000	8,000	137,000	3,000
Female	115,000	3,000	D	56,000	7,000	47,000	2,000
Mathematical sciences	132,000	2,000	D	27,000	6,000	95,000	1,000
Male	79,000	2,000	D	14,000	3,000	60,000	1,000
Female	53,000	*	D	13,000	4,000	35,000	*
Physical/related sciences	159,000	5,000	S	28,000	4,000	118,000	2,000
Male	113,000	4,000	D	16,000	3,000	87,000	2,000
Female	47,000	1,000	D	12,000	S	32,000	*
Chemistry, except biochemistry	54,000	1,000	D	17,000	2,000	34,000	1,000
Male	33,000	1,000	D	8,000	1,000	22,000	1,000
Female	21,000	*	D	9,000	*	12,000	D
Earth/atmospheric/ocean sciences	58,000	2,000	*	4,000	*	51,000	1,000
Male	43,000	1,000	D	2,000	*	38,000	1,000
Female	15,000	*	D	1,000	*	13,000	*
Physics/astronomy	41,000	2,000	D	8,000	1,000	28,000	*
Male	34,000	2,000	D	6,000	1,000	24,000	*
Female	7,000	*	D	2,000	D	5,000	D

TABLE 6. U.S. scientists and engineers, by level and field of highest degree, sex, ethnicity, and race: 2008

Level and field of highest degree and sex	All scientists and engineers	Hispanic or Latino	Not Hispanic or Latino				
			American Indian or Alaska Native	Asian	Black or African American	White	Other[a]
Other physical sciences	6,000	D	D	D	S	5,000	D
Male	3,000	D	D	D	D	2,000	D
Female	3,000	D	D	D	S	3,000	D
Social/related sciences	895,000	59,000	4,000	51,000	58,000	704,000	19,000
Male	351,000	20,000	S	15,000	17,000	289,000	9,000
Female	544,000	39,000	3,000	36,000	41,000	415,000	10,000
Economics	81,000	4,000	D	13,000	3,000	59,000	S
Male	56,000	3,000	D	6,000	3,000	43,000	S
Female	25,000	S	D	7,000	1,000	16,000	D
Political/related sciences	146,000	8,000	D	11,000	9,000	115,000	3,000
Male	83,000	3,000	D	4,000	4,000	70,000	2,000
Female	63,000	5,000	D	7,000	5,000	45,000	1,000
Psychology	493,000	32,000	3,000	14,000	33,000	400,000	12,000
Male	134,000	9,000	D	2,000	7,000	111,000	5,000
Female	359,000	23,000	2,000	12,000	25,000	289,000	7,000
Sociology/anthropology	73,000	8,000	S	5,000	7,000	51,000	1,000
Male	34,000	3,000	D	1,000	2,000	26,000	S
Female	38,000	5,000	*	3,000	5,000	25,000	1,000
Other social sciences	103,000	7,000	*	9,000	6,000	78,000	2,000
Male	43,000	2,000	D	2,000	1,000	38,000	1,000
Female	59,000	5,000	*	7,000	5,000	40,000	1,000
Engineering	713,000	31,000	1,000	203,000	16,000	452,000	11,000
Male	599,000	24,000	*	160,000	13,000	391,000	10,000
Female	115,000	7,000	*	43,000	3,000	61,000	1,000
Aerospace/related engineering	23,000	1,000	D	3,000	*	17,000	1,000
Male	21,000	S	D	3,000	*	16,000	1,000
Female	2,000	*	D	*	*	2,000	*
Chemical engineering	33,000	2,000	D	12,000	1,000	18,000	*
Male	26,000	1,000	D	10,000	1,000	15,000	D
Female	7,000	S	D	2,000	*	3,000	D
Civil/architectural engineering	107,000	5,000	D	24,000	2,000	74,000	2,000
Male	89,000	4,000	D	19,000	2,000	61,000	2,000
Female	18,000	1,000	D	4,000	*	12,000	*
Electrical/computer engineering	261,000	9,000	D	100,000	5,000	143,000	4,000
Male	218,000	7,000	D	75,000	4,000	129,000	3,000
Female	42,000	2,000	D	24,000	1,000	14,000	D

TABLE 6. U.S. scientists and engineers, by level and field of highest degree, sex, ethnicity, and race: 2008

Level and field of highest degree and sex	All scientists and engineers	Hispanic or Latino	Not Hispanic or Latino				
			American Indian or Alaska Native	Asian	Black or African American	White	Other[a]
Industrial engineering	43,000	3,000	D	12,000	2,000	26,000	*
Male	35,000	3,000	D	11,000	2,000	19,000	*
Female	8,000	*	D	1,000	*	6,000	*
Mechanical engineering	108,000	4,000	D	24,000	2,000	77,000	2,000
Male	98,000	3,000	D	22,000	2,000	69,000	2,000
Female	11,000	*	D	2,000	*	8,000	*
Other engineering	139,000	6,000	*	29,000	3,000	98,000	2,000
Male	112,000	5,000	D	21,000	3,000	82,000	2,000
Female	27,000	2,000	D	8,000	1,000	16,000	*
S&E-related fields	1,306,000	53,000	4,000	92,000	79,000	1,058,000	21,000
Male	368,000	15,000	1,000	37,000	19,000	289,000	8,000
Female	938,000	38,000	3,000	55,000	60,000	769,000	13,000
Health	929,000	40,000	3,000	62,000	56,000	753,000	15,000
Male	168,000	8,000	1,000	17,000	9,000	129,000	5,000
Female	761,000	32,000	S	45,000	47,000	624,000	10,000
Science/mathematics teacher education	216,000	5,000	D	7,000	14,000	185,000	4,000
Male	84,000	S	D	2,000	5,000	73,000	S
Female	133,000	4,000	D	5,000	10,000	111,000	S
Technology/technical fields	56,000	2,000	D	15,000	4,000	34,000	D
Male	44,000	S	D	12,000	2,000	28,000	D
Female	11,000	D	D	3,000	S	6,000	D
Other S&E-related fields	106,000	5,000	D	8,000	5,000	87,000	1,000
Male	73,000	4,000	D	6,000	3,000	59,000	S
Female	33,000	2,000	D	2,000	S	28,000	D
Non-S&E fields	3,043,000	162,000	14,000	211,000	227,000	2,386,000	43,000
Male	1,617,000	72,000	9,000	118,000	88,000	1,313,000	18,000
Female	1,425,000	90,000	5,000	93,000	139,000	1,074,000	25,000
Arts/humanities	123,000	8,000	D	13,000	S	98,000	2,000
Male	52,000	2,000	D	5,000	D	44,000	D
Female	72,000	6,000	D	8,000	S	54,000	1,000
Education, except science/mathematics teacher education	919,000	50,000	5,000	26,000	76,000	750,000	12,000
Male	347,000	12,000	3,000	7,000	21,000	299,000	5,000
Female	572,000	38,000	S	18,000	55,000	451,000	7,000
Management/administration	1,197,000	62,000	5,000	129,000	72,000	914,000	15,000
Male	850,000	41,000	4,000	84,000	39,000	676,000	5,000
Female	347,000	21,000	S	45,000	32,000	238,000	9,000

TABLE 6. U.S. scientists and engineers, by level and field of highest degree, sex, ethnicity, and race: 2008

Level and field of highest degree and sex	All scientists and engineers	Hispanic or Latino	Not Hispanic or Latino				
			American Indian or Alaska Native	Asian	Black or African American	White	Other[a]
Sales/marketing	119,000	7,000	D	12,000	6,000	94,000	D
Male	73,000	S	D	8,000	5,000	57,000	D
Female	46,000	4,000	D	4,000	S	37,000	D
Social services/related	347,000	21,000	1,000	9,000	38,000	272,000	5,000
Male	123,000	8,000	D	4,000	11,000	98,000	D
Female	224,000	13,000	1,000	5,000	27,000	175,000	4,000
Other non-S&E fields	337,000	14,000	S	21,000	33,000	258,000	8,000
Male	172,000	6,000	D	9,000	12,000	139,000	5,000
Female	165,000	8,000	D	13,000	21,000	119,000	3,000
Doctoral degrees	1,091,000	40,000	2,000	186,000	38,000	812,000	13,000
Male	741,000	22,000	1,000	136,000	20,000	555,000	7,000
Female	351,000	18,000	1,000	51,000	19,000	257,000	6,000
S&E fields	854,000	26,000	1,000	165,000	23,000	630,000	10,000
Male	612,000	16,000	1,000	123,000	13,000	452,000	6,000
Female	243,000	10,000	*	42,000	9,000	178,000	3,000
Sciences	696,000	22,000	1,000	109,000	20,000	536,000	8,000
Male	471,000	13,000	1,000	75,000	11,000	367,000	5,000
Female	225,000	9,000	*	34,000	9,000	169,000	3,000
Biological/agricultural/environmental life sciences	234,000	8,000	*	46,000	5,000	172,000	3,000
Male	154,000	5,000	*	30,000	3,000	115,000	1,000
Female	80,000	3,000	*	16,000	2,000	57,000	1,000
Agricultural/food sciences	22,000	1,000	D	4,000	1,000	17,000	*
Male	17,000	1,000	D	3,000	1,000	14,000	*
Female	4,000	*	D	1,000	*	3,000	D
Biological sciences	203,000	7,000	*	41,000	4,000	148,000	3,000
Male	130,000	4,000	*	27,000	2,000	96,000	1,000
Female	74,000	3,000	*	15,000	2,000	53,000	1,000
Environmental life sciences	8,000	*	D	1,000	*	7,000	D
Male	6,000	*	D	*	*	6,000	D
Female	2,000	*	D	*	D	1,000	D
Computer/mathematical sciences	67,000	2,000	D	17,000	2,000	47,000	1,000
Male	56,000	1,000	D	14,000	1,000	39,000	*
Female	11,000	*	D	3,000	*	7,000	*
Computer/information sciences	25,000	1,000	D	8,000	1,000	15,000	*
Male	21,000	1,000	D	7,000	*	13,000	*
Female	3,000	*	D	1,000	*	2,000	*

TABLE 6. U.S. scientists and engineers, by level and field of highest degree, sex, ethnicity, and race: 2008

Level and field of highest degree and sex	All scientists and engineers	Hispanic or Latino	Not Hispanic or Latino				
			American Indian or Alaska Native	Asian	Black or African American	White	Other[a]
Mathematical sciences	43,000	1,000	D	9,000	1,000	31,000	*
Male	35,000	1,000	D	7,000	1,000	26,000	*
Female	8,000	*	D	2,000	*	5,000	*
Physical/related sciences	169,000	4,000	*	33,000	2,000	128,000	2,000
Male	140,000	3,000	*	25,000	2,000	109,000	2,000
Female	29,000	1,000	D	8,000	1,000	20,000	*
Chemistry, except biochemistry	88,000	2,000	*	19,000	2,000	64,000	1,000
Male	70,000	1,000	*	14,000	1,000	52,000	1,000
Female	18,000	1,000	D	5,000	*	11,000	*
Earth/atmospheric/ocean sciences	22,000	1,000	D	2,000	*	19,000	*
Male	18,000	*	D	2,000	*	15,000	*
Female	4,000	*	D	1,000	D	3,000	*
Physics/astronomy	56,000	1,000	D	11,000	1,000	43,000	*
Male	50,000	1,000	D	9,000	1,000	39,000	*
Female	7,000	*	D	2,000	*	4,000	D
Other physical sciences	3,000	D	D	*	*	3,000	D
Male	3,000	D	D	*	D	2,000	D
Female	1,000	D	D	*	D	1,000	D
Social/related sciences	226,000	8,000	1,000	14,000	11,000	189,000	3,000
Male	122,000	4,000	*	7,000	5,000	105,000	2,000
Female	104,000	4,000	*	7,000	6,000	85,000	2,000
Economics	28,000	1,000	D	5,000	1,000	21,000	*
Male	22,000	1,000	D	3,000	1,000	17,000	*
Female	6,000	*	D	1,000	*	4,000	D
Political/related sciences	25,000	1,000	*	1,000	1,000	21,000	*
Male	18,000	*	D	1,000	1,000	16,000	*
Female	7,000	*	*	1,000	1,000	5,000	*
Psychology	120,000	5,000	*	5,000	5,000	104,000	2,000
Male	54,000	2,000	*	1,000	2,000	49,000	1,000
Female	66,000	3,000	*	4,000	4,000	54,000	1,000
Sociology/anthropology	32,000	1,000	*	1,000	2,000	27,000	1,000
Male	16,000	1,000	D	1,000	1,000	14,000	*
Female	16,000	1,000	*	1,000	1,000	13,000	*
Other social sciences	21,000	1,000	*	2,000	1,000	16,000	*
Male	11,000	*	D	1,000	1,000	9,000	*
Female	10,000	*	D	1,000	1,000	8,000	*

TABLE 6. U.S. scientists and engineers, by level and field of highest degree, sex, ethnicity, and race: 2008

Level and field of highest degree and sex	All scientists and engineers	Hispanic or Latino	Not Hispanic or Latino				
			American Indian or Alaska Native	Asian	Black or African American	White	Other[a]
Engineering	158,000	4,000	*	56,000	3,000	94,000	1,000
Male	140,000	3,000	D	48,000	2,000	85,000	1,000
Female	18,000	1,000	D	8,000	*	9,000	*
Aerospace/related engineering	8,000	*	D	2,000	*	5,000	D
Male	7,000	*	D	2,000	*	5,000	D
Female	*	D	D	*	D	*	D
Chemical engineering	21,000	1,000	D	7,000	1,000	12,000	*
Male	18,000	*	D	7,000	*	11,000	*
Female	2,000	*	D	1,000	*	1,000	D
Civil/architectural engineering	13,000	*	D	4,000	*	8,000	*
Male	12,000	*	D	4,000	*	7,000	D
Female	2,000	*	D	1,000	*	1,000	D
Electrical/computer engineering	46,000	1,000	D	19,000	1,000	25,000	1,000
Male	42,000	1,000	D	16,000	1,000	24,000	*
Female	5,000	*	D	3,000	*	2,000	D
Industrial engineering	4,000	*	D	2,000	*	2,000	D
Male	4,000	*	D	2,000	*	2,000	D
Female	1,000	D	D	*	*	1,000	D
Mechanical engineering	20,000	*	D	8,000	*	11,000	*
Male	19,000	*	D	7,000	*	11,000	*
Female	1,000	D	D	1,000	D	*	D
Other engineering	45,000	1,000	D	14,000	1,000	29,000	*
Male	38,000	1,000	D	11,000	*	25,000	*
Female	7,000	*	D	3,000	*	3,000	*
S&E-related fields	75,000	4,000	*	11,000	4,000	53,000	2,000
Male	38,000	2,000	D	6,000	2,000	27,000	1,000
Female	37,000	2,000	*	5,000	3,000	26,000	1,000
Health	54,000	4,000	*	8,000	4,000	37,000	1,000
Male	24,000	2,000	D	4,000	2,000	16,000	*
Female	30,000	2,000	*	4,000	2,000	22,000	1,000
Science/mathematics teacher education	11,000	D	D	D	1,000	10,000	D
Male	7,000	D	D	D	D	6,000	D
Female	4,000	D	D	D	1,000	4,000	D
Technology/technical fields	5,000	D	D	2,000	D	3,000	D
Male	4,000	D	D	1,000	D	3,000	D
Female	D	D	D	D	D	D	D

TABLE 6. U.S. scientists and engineers, by level and field of highest degree, sex, ethnicity, and race: 2008

Level and field of highest degree and sex	All scientists and engineers	Hispanic or Latino	Not Hispanic or Latino				
			American Indian or Alaska Native	Asian	Black or African American	White	Other[a]
Other S&E-related fields	4,000	D	D	D	D	4,000	D
Male	3,000	D	D	D	D	D	D
Female	1,000	D	D	D	D	1,000	D
Non-S&E fields	163,000	10,000	D	10,000	11,000	129,000	2,000
Male	91,000	4,000	D	6,000	5,000	76,000	D
Female	71,000	6,000	D	4,000	7,000	53,000	2,000
Arts/humanities	20,000	2,000	D	*	D	17,000	D
Male	11,000	D	D	D	D	10,000	D
Female	9,000	D	D	D	D	7,000	D
Education, except science/mathematics teacher education	75,000	4,000	D	2,000	8,000	61,000	1,000
Male	37,000	2,000	D	1,000	2,000	31,000	D
Female	39,000	2,000	D	1,000	6,000	29,000	1,000
Management/administration	17,000	D	D	6,000	D	10,000	D
Male	13,000	D	D	4,000	D	8,000	D
Female	4,000	D	D	2,000	D	S	D
Sales/marketing	2,000	D	D	D	D	1,000	D
Male	1,000	D	D	D	D	D	D
Female	1,000	D	D	D	D	D	D
Social services/related	24,000	D	D	1,000	2,000	19,000	D
Male	18,000	D	D	D	2,000	15,000	D
Female	6,000	D	D	D	D	4,000	D
Other non-S&E fields	24,000	S	D	*	D	22,000	D
Male	12,000	D	D	D	D	11,000	D
Female	13,000	D	D	D	D	11,000	D

* = value < 500. D = suppressed to avoid disclosure of confidential information. S = suppressed for reliability; coefficient of variation exceeds publication standards.

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. Numbers are rounded to nearest thousand. Detail may not add to total because of rounding.

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

TABLE 7. Employed U.S. scientists and engineers, by level and 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]	19,244,000	5,439,000	3,473,000	11,908,000	2,163,000	7,666,000
Business/industry	13,434,000	3,702,000	1,085,000	8,953,000	1,757,000	5,666,000
4-year college/university	1,443,000	695,000	597,000	559,000	129,000	459,000
Other educational institution	2,016,000	388,000	1,570,000	853,000	80,000	486,000
Government	2,352,000	653,000	220,000	1,544,000	198,000	1,054,000
S&E fields	10,216,000	3,615,000	1,282,000	6,542,000	1,524,000	2,879,000
Business/industry	7,285,000	2,500,000	339,000	5,034,000	1,262,000	2,063,000
4-year college/university	847,000	506,000	314,000	312,000	91,000	163,000
Other educational institution	735,000	157,000	544,000	300,000	38,000	173,000
Government	1,349,000	452,000	85,000	897,000	134,000	480,000
Sciences	7,763,000	2,364,000	1,185,000	4,983,000	1,101,000	2,358,000
Business/industry	5,231,000	1,453,000	303,000	3,694,000	889,000	1,618,000
4-year college/university	745,000	431,000	277,000	288,000	75,000	153,000
Other educational institution	709,000	152,000	526,000	290,000	35,000	169,000
Government	1,078,000	328,000	79,000	711,000	102,000	419,000
Biological/agricultural/environmental life sciences	1,569,000	564,000	266,000	977,000	77,000	539,000
Business/industry	984,000	282,000	83,000	688,000	48,000	388,000
4-year college/university	239,000	161,000	73,000	92,000	11,000	51,000
Other educational institution	110,000	28,000	92,000	41,000	3,000	12,000
Government	236,000	93,000	17,000	155,000	14,000	88,000
Agricultural/food sciences	266,000	77,000	27,000	199,000	11,000	104,000
Business/industry	185,000	43,000	8,000	148,000	6,000	80,000
4-year college/university	26,000	15,000	7,000	12,000	1,000	7,000
Other educational institution	13,000	2,000	9,000	5,000	D	S
Government	42,000	17,000	3,000	33,000	S	14,000
Biological sciences	1,125,000	435,000	222,000	649,000	55,000	374,000
Business/industry	695,000	216,000	70,000	456,000	37,000	272,000
4-year college/university	201,000	140,000	62,000	73,000	10,000	41,000
Other educational institution	89,000	24,000	77,000	33,000	2,000	7,000
Government	140,000	55,000	12,000	86,000	7,000	54,000
Environmental life sciences	178,000	52,000	16,000	129,000	11,000	61,000
Business/industry	103,000	23,000	5,000	84,000	5,000	36,000
4-year college/university	13,000	6,000	4,000	6,000	S	3,000
Other educational institution	8,000	2,000	5,000	3,000	D	S
Government	54,000	21,000	2,000	36,000	5,000	20,000
Computer/mathematical sciences	1,651,000	653,000	172,000	890,000	743,000	272,000
Business/industry	1,293,000	510,000	34,000	736,000	643,000	214,000
4-year college/university	118,000	65,000	47,000	35,000	40,000	15,000
Other educational institution	104,000	24,000	84,000	39,000	13,000	12,000
Government	136,000	54,000	6,000	80,000	47,000	32,000
Computer/information sciences	1,159,000	485,000	57,000	609,000	608,000	176,000
Business/industry	964,000	400,000	20,000	520,000	534,000	137,000
4-year college/university	64,000	35,000	13,000	20,000	30,000	10,000
Other educational institution	35,000	9,000	21,000	13,000	9,000	6,000
Government	95,000	40,000	3,000	55,000	36,000	22,000
Mathematical sciences	492,000	169,000	115,000	281,000	134,000	97,000
Business/industry	329,000	110,000	14,000	215,000	109,000	76,000
4-year college/university	54,000	30,000	34,000	15,000	10,000	5,000
Other educational institution	69,000	16,000	63,000	25,000	4,000	6,000
Government	40,000	13,000	3,000	25,000	12,000	10,000

TABLE 7. Employed U.S. scientists and engineers, by level and 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	665,000	311,000	95,000	363,000	81,000	177,000
Business/industry	437,000	198,000	16,000	269,000	59,000	125,000
4-year college/university	99,000	68,000	41,000	28,000	10,000	15,000
Other educational institution	42,000	7,000	36,000	17,000	3,000	6,000
Government	87,000	37,000	3,000	50,000	9,000	31,000
Chemistry, except biochemistry	306,000	148,000	41,000	171,000	24,000	90,000
Business/industry	214,000	104,000	8,000	132,000	20,000	64,000
4-year college/university	45,000	31,000	18,000	12,000	2,000	7,000
Other educational institution	16,000	2,000	15,000	7,000	S	S
Government	31,000	11,000	1,000	19,000	1,000	17,000
Earth/atmospheric/ocean sciences	168,000	70,000	23,000	102,000	15,000	50,000
Business/industry	103,000	39,000	3,000	71,000	8,000	33,000
4-year college/university	19,000	13,000	8,000	5,000	2,000	3,000
Other educational institution	12,000	2,000	10,000	6,000	D	S
Government	35,000	17,000	1,000	21,000	5,000	11,000
Physics/astronomy	150,000	79,000	26,000	68,000	38,000	28,000
Business/industry	95,000	47,000	2,000	51,000	28,000	20,000
4-year college/university	31,000	23,000	15,000	7,000	6,000	4,000
Other educational institution	11,000	3,000	9,000	3,000	S	S
Government	13,000	6,000	1,000	6,000	3,000	3,000
Other physical sciences	40,000	14,000	6,000	22,000	4,000	9,000
Business/industry	26,000	8,000	4,000	15,000	3,000	8,000
4-year college/university	5,000	2,000	1,000	S	*	*
Other educational institution	2,000	*	2,000	S	D	D
Government	7,000	3,000	D	4,000	*	1,000
Social/related sciences	3,878,000	835,000	653,000	2,753,000	200,000	1,370,000
Business/industry	2,516,000	462,000	170,000	2,002,000	139,000	891,000
4-year college/university	289,000	137,000	116,000	134,000	14,000	73,000
Other educational institution	454,000	93,000	314,000	193,000	16,000	138,000
Government	619,000	144,000	53,000	425,000	31,000	268,000
Economics	580,000	128,000	48,000	474,000	43,000	166,000
Business/industry	481,000	93,000	15,000	420,000	35,000	140,000
4-year college/university	32,000	16,000	16,000	14,000	2,000	3,000
Other educational institution	15,000	2,000	13,000	6,000	D	5,000
Government	52,000	16,000	3,000	34,000	6,000	18,000
Political/related sciences	705,000	164,000	76,000	540,000	25,000	212,000
Business/industry	493,000	97,000	22,000	408,000	19,000	149,000
4-year college/university	47,000	21,000	19,000	23,000	1,000	10,000
Other educational institution	39,000	15,000	27,000	21,000	D	4,000
Government	126,000	31,000	8,000	88,000	3,000	50,000
Psychology	1,414,000	288,000	306,000	895,000	72,000	609,000
Business/industry	849,000	144,000	85,000	609,000	52,000	367,000
4-year college/university	109,000	56,000	38,000	47,000	4,000	37,000
Other educational institution	250,000	46,000	159,000	103,000	6,000	104,000
Government	206,000	42,000	25,000	135,000	9,000	101,000
Sociology/anthropology	763,000	158,000	142,000	550,000	30,000	258,000
Business/industry	445,000	81,000	35,000	363,000	20,000	156,000
4-year college/university	60,000	25,000	25,000	28,000	4,000	16,000
Other educational institution	89,000	17,000	66,000	37,000	S	15,000
Government	168,000	36,000	15,000	122,000	6,000	71,000

TABLE 7. Employed U.S. scientists and engineers, by level and 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 social sciences	416,000	97,000	81,000	295,000	30,000	124,000
Business/industry	248,000	47,000	12,000	201,000	14,000	78,000
4-year college/university	41,000	18,000	18,000	21,000	3,000	7,000
Other educational institution	61,000	13,000	48,000	26,000	6,000	11,000
Government	67,000	20,000	S	46,000	7,000	28,000
Engineering	2,453,000	1,251,000	97,000	1,560,000	423,000	521,000
Business/industry	2,054,000	1,047,000	36,000	1,339,000	372,000	445,000
4-year college/university	102,000	75,000	37,000	24,000	16,000	10,000
Other educational institution	26,000	5,000	18,000	10,000	3,000	4,000
Government	272,000	124,000	6,000	187,000	32,000	61,000
Aerospace/related engineering	81,000	42,000	6,000	46,000	13,000	22,000
Business/industry	67,000	33,000	3,000	38,000	11,000	19,000
4-year college/university	4,000	3,000	2,000	1,000	1,000	*
Other educational institution	1,000	D	1,000	*	D	D
Government	10,000	6,000	1,000	6,000	1,000	3,000
Chemical engineering	165,000	83,000	9,000	110,000	14,000	42,000
Business/industry	143,000	72,000	3,000	99,000	13,000	37,000
4-year college/university	9,000	6,000	4,000	3,000	*	1,000
Other educational institution	2,000	S	2,000	D	D	D
Government	11,000	4,000	D	8,000	1,000	4,000
Civil/architectural engineering	397,000	168,000	15,000	310,000	25,000	84,000
Business/industry	294,000	129,000	6,000	234,000	19,000	64,000
4-year college/university	11,000	6,000	6,000	3,000	1,000	*
Other educational institution	3,000	S	2,000	S	D	D
Government	88,000	33,000	1,000	70,000	5,000	19,000
Electrical/computer engineering	808,000	448,000	27,000	431,000	260,000	136,000
Business/industry	708,000	388,000	10,000	387,000	236,000	122,000
4-year college/university	30,000	22,000	10,000	7,000	7,000	3,000
Other educational institution	5,000	1,000	4,000	1,000	1,000	S
Government	64,000	37,000	S	36,000	16,000	11,000
Industrial engineering	139,000	55,000	7,000	103,000	21,000	37,000
Business/industry	122,000	48,000	2,000	92,000	19,000	34,000
4-year college/university	4,000	3,000	2,000	1,000	*	*
Other educational institution	3,000	D	3,000	S	D	D
Government	10,000	3,000	D	9,000	S	3,000
Mechanical engineering	500,000	277,000	17,000	328,000	49,000	104,000
Business/industry	434,000	241,000	8,000	294,000	42,000	90,000
4-year college/university	17,000	13,000	5,000	5,000	3,000	2,000
Other educational institution	7,000	1,000	4,000	3,000	D	S
Government	41,000	22,000	1,000	27,000	4,000	10,000
Other engineering	363,000	177,000	15,000	232,000	41,000	95,000
Business/industry	285,000	136,000	4,000	195,000	32,000	79,000
4-year college/university	26,000	21,000	8,000	4,000	3,000	3,000
Other educational institution	5,000	1,000	3,000	3,000	D	D
Government	46,000	20,000	1,000	31,000	4,000	13,000
S&E-related fields	4,727,000	841,000	1,202,000	2,461,000	198,000	3,181,000
Business/industry	3,467,000	571,000	576,000	1,927,000	149,000	2,497,000
4-year college/university	351,000	108,000	163,000	121,000	14,000	221,000
Other educational institution	458,000	75,000	366,000	164,000	17,000	164,000
Government	450,000	87,000	97,000	248,000	19,000	300,000

TABLE 7. Employed U.S. scientists and engineers, by level and 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
Health	3,784,000	528,000	975,000	1,853,000	92,000	2,945,000
Business/industry	2,860,000	348,000	560,000	1,484,000	67,000	2,313,000
4-year college/university	321,000	94,000	148,000	109,000	8,000	215,000
Other educational institution	239,000	28,000	176,000	70,000	7,000	140,000
Government	364,000	58,000	91,000	190,000	10,000	276,000
Science/mathematics teacher education	308,000	64,000	195,000	153,000	19,000	63,000
Business/industry	85,000	14,000	6,000	61,000	7,000	35,000
4-year college/university	12,000	7,000	10,000	3,000	D	1,000
Other educational institution	194,000	40,000	176,000	81,000	9,000	19,000
Government	16,000	3,000	3,000	8,000	D	7,000
Technology/technical fields	306,000	109,000	24,000	202,000	80,000	67,000
Business/industry	257,000	92,000	8,000	175,000	67,000	60,000
4-year college/university	10,000	5,000	S	4,000	5,000	S
Other educational institution	14,000	3,000	11,000	6,000	D	D
Government	25,000	9,000	D	16,000	7,000	3,000
Other S&E-related fields	328,000	140,000	9,000	254,000	8,000	106,000
Business/industry	265,000	117,000	2,000	208,000	7,000	88,000
4-year college/university	8,000	3,000	3,000	5,000	D	D
Other educational institution	10,000	3,000	D	6,000	D	S
Government	45,000	17,000	D	35,000	1,000	13,000
Non-S&E fields	4,302,000	983,000	988,000	2,905,000	441,000	1,606,000
Business/industry	2,682,000	631,000	170,000	1,992,000	346,000	1,106,000
4-year college/university	246,000	82,000	120,000	126,000	24,000	75,000
Other educational institution	822,000	156,000	660,000	389,000	26,000	149,000
Government	552,000	114,000	38,000	398,000	45,000	275,000
Arts/humanities	308,000	94,000	78,000	184,000	61,000	92,000
Business/industry	197,000	65,000	12,000	127,000	51,000	65,000
4-year college/university	38,000	11,000	22,000	16,000	4,000	13,000
Other educational institution	46,000	11,000	43,000	21,000	S	1,000
Government	28,000	7,000	D	19,000	5,000	12,000
Education, except science/mathematics teacher education	948,000	187,000	595,000	520,000	44,000	216,000
Business/industry	206,000	42,000	32,000	147,000	16,000	82,000
4-year college/university	67,000	21,000	38,000	35,000	2,000	21,000
Other educational institution	624,000	116,000	515,000	299,000	16,000	102,000
Government	51,000	9,000	10,000	38,000	10,000	12,000
Management/administration	1,417,000	384,000	98,000	1,106,000	248,000	333,000
Business/industry	1,181,000	321,000	43,000	943,000	215,000	275,000
4-year college/university	53,000	21,000	16,000	32,000	10,000	11,000
Other educational institution	49,000	7,000	33,000	24,000	3,000	11,000
Government	133,000	36,000	6,000	107,000	20,000	36,000
Sales/marketing	150,000	42,000	10,000	124,000	15,000	28,000
Business/industry	136,000	37,000	3,000	120,000	12,000	25,000
4-year college/university	5,000	3,000	3,000	D	D	D
Other educational institution	4,000	D	3,000	D	D	D
Government	5,000	D	D	S	D	D
Social services/related	354,000	63,000	90,000	204,000	15,000	221,000
Business/industry	226,000	38,000	42,000	135,000	10,000	148,000
4-year college/university	27,000	6,000	15,000	14,000	S	12,000
Other educational institution	43,000	7,000	23,000	18,000	D	23,000
Government	58,000	11,000	10,000	36,000	S	38,000

TABLE 7. Employed U.S. scientists and engineers, by level and 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 non-S&E fields	1,125,000	212,000	117,000	767,000	58,000	716,000
Business/industry	736,000	128,000	38,000	519,000	42,000	512,000
4-year college/university	56,000	19,000	27,000	27,000	6,000	19,000
Other educational institution	56,000	14,000	43,000	25,000	4,000	12,000
Government	276,000	50,000	10,000	195,000	6,000	174,000
Bachelor's degrees, all fields	10,745,000	2,911,000	1,560,000	6,989,000	1,406,000	3,899,000
Business/industry	8,095,000	2,173,000	660,000	5,567,000	1,169,000	2,981,000
4-year college/university	508,000	219,000	126,000	220,000	66,000	180,000
Other educational institution	795,000	156,000	640,000	316,000	40,000	168,000
Government	1,347,000	362,000	134,000	886,000	131,000	571,000
S&E fields	7,367,000	2,241,000	793,000	5,031,000	1,040,000	2,137,000
Business/industry	5,556,000	1,663,000	274,000	4,016,000	872,000	1,602,000
4-year college/university	353,000	179,000	77,000	150,000	46,000	93,000
Other educational institution	477,000	104,000	375,000	199,000	28,000	79,000
Government	982,000	296,000	67,000	666,000	93,000	363,000
Sciences	5,658,000	1,455,000	740,000	3,873,000	777,000	1,739,000
Business/industry	4,095,000	986,000	244,000	3,011,000	639,000	1,258,000
4-year college/university	317,000	155,000	70,000	140,000	39,000	88,000
Other educational institution	458,000	100,000	363,000	191,000	26,000	76,000
Government	788,000	214,000	62,000	531,000	72,000	318,000
Biological/agricultural/environmental life sciences	1,144,000	323,000	170,000	755,000	54,000	442,000
Business/industry	792,000	182,000	70,000	574,000	37,000	329,000
4-year college/university	103,000	64,000	23,000	38,000	3,000	32,000
Other educational institution	78,000	22,000	64,000	29,000	S	9,000
Government	171,000	56,000	14,000	114,000	11,000	71,000
Agricultural/food sciences	217,000	51,000	17,000	169,000	9,000	93,000
Business/industry	161,000	31,000	6,000	132,000	5,000	73,000
4-year college/university	9,000	5,000	2,000	5,000	D	4,000
Other educational institution	10,000	2,000	6,000	4,000	D	S
Government	36,000	12,000	S	29,000	D	13,000
Biological sciences	791,000	240,000	143,000	486,000	36,000	298,000
Business/industry	546,000	135,000	59,000	373,000	28,000	226,000
4-year college/university	87,000	56,000	20,000	30,000	2,000	26,000
Other educational institution	63,000	18,000	54,000	23,000	D	4,000
Government	95,000	31,000	9,000	60,000	5,000	42,000
Environmental life sciences	137,000	33,000	11,000	101,000	8,000	51,000
Business/industry	85,000	16,000	4,000	70,000	3,000	31,000
4-year college/university	7,000	3,000	1,000	4,000	D	S
Other educational institution	6,000	1,000	4,000	2,000	D	D
Government	39,000	13,000	2,000	26,000	5,000	16,000
Computer/mathematical sciences	1,161,000	430,000	102,000	654,000	515,000	206,000
Business/industry	937,000	351,000	27,000	548,000	448,000	163,000
4-year college/university	52,000	27,000	11,000	18,000	24,000	6,000
Other educational institution	73,000	17,000	58,000	30,000	9,000	10,000
Government	99,000	36,000	5,000	58,000	34,000	26,000
Computer/information sciences	809,000	328,000	34,000	435,000	418,000	129,000
Business/industry	682,000	276,000	16,000	373,000	367,000	101,000
4-year college/university	34,000	17,000	3,000	12,000	18,000	5,000
Other educational institution	24,000	6,000	13,000	10,000	6,000	5,000
Government	70,000	28,000	2,000	40,000	27,000	18,000

TABLE 7. Employed U.S. scientists and engineers, by level and 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
Mathematical sciences	352,000	102,000	67,000	219,000	97,000	76,000
Business/industry	255,000	74,000	12,000	176,000	81,000	62,000
4-year college/university	18,000	9,000	8,000	5,000	6,000	1,000
Other educational institution	49,000	10,000	45,000	20,000	3,000	5,000
Government	29,000	8,000	S	18,000	7,000	8,000
Physical/related sciences	395,000	150,000	37,000	236,000	48,000	126,000
Business/industry	286,000	106,000	10,000	185,000	39,000	92,000
4-year college/university	35,000	22,000	9,000	10,000	4,000	8,000
Other educational institution	18,000	4,000	16,000	7,000	S	S
Government	56,000	18,000	2,000	34,000	3,000	23,000
Chemistry, except biochemistry	194,000	80,000	16,000	116,000	18,000	68,000
Business/industry	143,000	58,000	4,000	93,000	15,000	48,000
4-year college/university	20,000	14,000	5,000	4,000	1,000	5,000
Other educational institution	7,000	1,000	7,000	3,000	D	D
Government	24,000	6,000	*	16,000	*	14,000
Earth/atmospheric/ocean sciences	100,000	32,000	9,000	65,000	7,000	33,000
Business/industry	71,000	22,000	S	50,000	5,000	24,000
4-year college/university	4,000	2,000	1,000	S	D	S
Other educational institution	5,000	S	5,000	2,000	D	S
Government	19,000	8,000	S	12,000	1,000	6,000
Physics/astronomy	68,000	27,000	7,000	36,000	19,000	17,000
Business/industry	49,000	19,000	1,000	30,000	15,000	13,000
4-year college/university	7,000	5,000	2,000	1,000	2,000	2,000
Other educational institution	5,000	S	4,000	1,000	D	D
Government	7,000	1,000	*	4,000	1,000	2,000
Other physical sciences	33,000	11,000	5,000	19,000	4,000	8,000
Business/industry	22,000	7,000	S	12,000	3,000	8,000
4-year college/university	S	S	D	S	D	D
Other educational institution	S	D	S	D	D	D
Government	6,000	S	D	3,000	*	*
Social/related sciences	2,958,000	552,000	431,000	2,228,000	160,000	965,000
Business/industry	2,079,000	347,000	137,000	1,703,000	116,000	673,000
4-year college/university	127,000	43,000	28,000	74,000	9,000	42,000
Other educational institution	288,000	58,000	225,000	126,000	12,000	53,000
Government	463,000	103,000	42,000	324,000	23,000	197,000
Economics	495,000	92,000	30,000	416,000	36,000	148,000
Business/industry	426,000	75,000	14,000	373,000	28,000	126,000
4-year college/university	14,000	4,000	3,000	10,000	1,000	S
Other educational institution	12,000	D	11,000	5,000	D	D
Government	43,000	11,000	2,000	29,000	6,000	16,000
Political/related sciences	562,000	118,000	53,000	436,000	20,000	175,000
Business/industry	421,000	77,000	20,000	349,000	15,000	128,000
4-year college/university	23,000	8,000	4,000	15,000	D	6,000
Other educational institution	31,000	12,000	22,000	14,000	D	2,000
Government	88,000	21,000	7,000	59,000	3,000	39,000
Psychology	901,000	160,000	184,000	627,000	55,000	304,000
Business/industry	602,000	89,000	60,000	462,000	43,000	204,000
4-year college/university	45,000	21,000	7,000	22,000	2,000	19,000
Other educational institution	125,000	23,000	100,000	55,000	5,000	26,000
Government	129,000	27,000	17,000	89,000	5,000	55,000

TABLE 7. Employed U.S. scientists and engineers, by level and 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	678,000	119,000	113,000	505,000	27,000	237,000
Business/industry	417,000	69,000	32,000	343,000	17,000	149,000
4-year college/university	28,000	7,000	7,000	16,000	3,000	10,000
Other educational institution	80,000	14,000	60,000	33,000	S	14,000
Government	153,000	30,000	14,000	113,000	5,000	65,000
Other social sciences	322,000	63,000	51,000	243,000	23,000	100,000
Business/industry	214,000	37,000	11,000	176,000	12,000	66,000
4-year college/university	17,000	4,000	6,000	12,000	1,000	4,000
Other educational institution	41,000	8,000	33,000	19,000	D	8,000
Government	50,000	14,000	D	35,000	6,000	22,000
Engineering	1,709,000	786,000	53,000	1,158,000	263,000	398,000
Business/industry	1,461,000	677,000	29,000	1,005,000	233,000	345,000
4-year college/university	36,000	23,000	7,000	9,000	7,000	5,000
Other educational institution	18,000	3,000	11,000	8,000	S	3,000
Government	194,000	82,000	5,000	135,000	21,000	45,000
Aerospace/related engineering	54,000	24,000	3,000	32,000	9,000	17,000
Business/industry	47,000	20,000	S	28,000	8,000	15,000
4-year college/university	1,000	1,000	*	D	*	D
Other educational institution	*	D	*	D	D	D
Government	6,000	3,000	*	4,000	*	2,000
Chemical engineering	121,000	54,000	6,000	86,000	8,000	33,000
Business/industry	107,000	49,000	S	77,000	7,000	29,000
4-year college/university	5,000	3,000	S	S	D	1,000
Other educational institution	1,000	D	1,000	D	D	D
Government	9,000	3,000	D	7,000	D	3,000
Civil/architectural engineering	292,000	109,000	10,000	238,000	15,000	62,000
Business/industry	216,000	84,000	6,000	178,000	10,000	47,000
4-year college/university	4,000	1,000	2,000	2,000	D	D
Other educational institution	3,000	D	S	S	D	D
Government	70,000	24,000	1,000	57,000	4,000	14,000
Electrical/computer engineering	547,000	281,000	14,000	313,000	166,000	105,000
Business/industry	486,000	248,000	7,000	282,000	150,000	94,000
4-year college/university	9,000	5,000	1,000	2,000	3,000	2,000
Other educational institution	4,000	1,000	4,000	D	D	D
Government	48,000	27,000	D	27,000	12,000	9,000
Industrial engineering	101,000	36,000	4,000	78,000	14,000	28,000
Business/industry	92,000	34,000	2,000	72,000	13,000	27,000
4-year college/university	*	*	D	*	D	D
Other educational institution	S	D	S	S	D	D
Government	6,000	1,000	D	5,000	D	1,000
Mechanical engineering	389,000	201,000	11,000	271,000	30,000	90,000
Business/industry	345,000	178,000	7,000	245,000	27,000	79,000
4-year college/university	7,000	5,000	1,000	2,000	1,000	1,000
Other educational institution	5,000	S	3,000	2,000	D	D
Government	32,000	17,000	1,000	21,000	2,000	8,000
Other engineering	205,000	81,000	5,000	140,000	21,000	63,000
Business/industry	170,000	65,000	3,000	123,000	17,000	53,000
4-year college/university	10,000	8,000	1,000	1,000	S	1,000
Other educational institution	3,000	D	1,000	S	D	D
Government	23,000	8,000	1,000	15,000	2,000	7,000

TABLE 7. Employed U.S. scientists and engineers, by level and 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	2,406,000	405,000	591,000	1,322,000	132,000	1,503,000
Business/industry	1,847,000	307,000	336,000	1,079,000	108,000	1,184,000
4-year college/university	113,000	28,000	41,000	44,000	7,000	72,000
Other educational institution	195,000	32,000	156,000	58,000	5,000	78,000
Government	252,000	37,000	58,000	141,000	12,000	169,000
Health	1,782,000	205,000	503,000	891,000	55,000	1,338,000
Business/industry	1,367,000	146,000	325,000	718,000	45,000	1,042,000
4-year college/university	100,000	23,000	37,000	38,000	3,000	68,000
Other educational institution	115,000	16,000	86,000	28,000	D	69,000
Government	201,000	21,000	54,000	107,000	5,000	158,000
Science/mathematics teacher education	138,000	24,000	64,000	77,000	7,000	35,000
Business/industry	64,000	8,000	S	49,000	5,000	26,000
4-year college/university	D	D	D	D	D	D
Other educational institution	63,000	12,000	58,000	24,000	1,000	5,000
Government	8,000	1,000	D	5,000	D	4,000
Technology/technical fields	257,000	88,000	19,000	170,000	63,000	61,000
Business/industry	218,000	74,000	7,000	150,000	52,000	55,000
4-year college/university	7,000	3,000	D	3,000	4,000	D
Other educational institution	10,000	3,000	8,000	4,000	D	D
Government	21,000	8,000	D	13,000	6,000	3,000
Other S&E-related fields	229,000	89,000	5,000	184,000	6,000	69,000
Business/industry	198,000	80,000	D	162,000	6,000	61,000
4-year college/university	3,000	D	D	3,000	D	D
Other educational institution	7,000	D	D	3,000	D	D
Government	22,000	8,000	D	16,000	D	4,000
Non-S&E fields	971,000	265,000	175,000	636,000	234,000	260,000
Business/industry	692,000	203,000	50,000	473,000	190,000	195,000
4-year college/university	43,000	13,000	7,000	26,000	12,000	15,000
Other educational institution	123,000	21,000	110,000	59,000	7,000	12,000
Government	114,000	28,000	9,000	79,000	26,000	39,000
Arts/humanities	197,000	58,000	32,000	132,000	52,000	56,000
Business/industry	145,000	48,000	9,000	98,000	43,000	43,000
4-year college/university	13,000	S	S	9,000	3,000	5,000
Other educational institution	21,000	D	19,000	10,000	D	1,000
Government	19,000	5,000	D	13,000	4,000	7,000
Education, except science/mathematics teacher education	157,000	29,000	78,000	95,000	17,000	37,000
Business/industry	65,000	15,000	5,000	46,000	10,000	26,000
4-year college/university	6,000	D	D	3,000	D	S
Other educational institution	71,000	11,000	68,000	36,000	S	5,000
Government	15,000	S	4,000	11,000	5,000	D
Management/administration	385,000	113,000	32,000	257,000	123,000	92,000
Business/industry	314,000	92,000	17,000	216,000	102,000	71,000
4-year college/university	14,000	5,000	S	7,000	6,000	3,000
Other educational institution	15,000	S	9,000	6,000	2,000	4,000
Government	42,000	13,000	S	28,000	13,000	14,000
Sales/marketing	48,000	12,000	5,000	38,000	8,000	10,000
Business/industry	42,000	12,000	D	36,000	6,000	7,000
4-year college/university	D	D	D	D	D	D
Other educational institution	D	D	D	D	D	D
Government	S	D	D	D	D	D

TABLE 7. Employed U.S. scientists and engineers, by level and 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	31,000	10,000	S	20,000	6,000	11,000
Business/industry	22,000	8,000	D	13,000	6,000	8,000
4-year college/university	D	D	D	D	D	D
Other educational institution	D	D	D	D	D	D
Government	6,000	D	D	5,000	D	3,000
Other non-S&E fields	154,000	42,000	27,000	95,000	28,000	54,000
Business/industry	105,000	28,000	15,000	63,000	23,000	40,000
4-year college/university	8,000	S	D	6,000	S	D
Other educational institution	14,000	4,000	12,000	6,000	D	D
Government	28,000	8,000	D	20,000	D	10,000
Master's degrees, all fields	5,690,000	1,705,000	1,367,000	3,481,000	663,000	1,896,000
Business/industry	3,435,000	1,115,000	268,000	2,301,000	521,000	1,207,000
4-year college/university	414,000	168,000	166,000	186,000	48,000	122,000
Other educational institution	1,140,000	215,000	873,000	501,000	37,000	297,000
Government	701,000	206,000	59,000	494,000	57,000	270,000
S&E fields	2,085,000	884,000	274,000	1,195,000	417,000	567,000
Business/industry	1,363,000	614,000	50,000	836,000	342,000	350,000
4-year college/university	192,000	110,000	61,000	70,000	33,000	35,000
Other educational institution	233,000	49,000	150,000	93,000	8,000	87,000
Government	297,000	111,000	14,000	196,000	34,000	95,000
Sciences	1,481,000	525,000	254,000	847,000	280,000	461,000
Business/industry	863,000	314,000	44,000	540,000	221,000	263,000
4-year college/university	162,000	86,000	53,000	66,000	26,000	32,000
Other educational institution	227,000	48,000	145,000	91,000	8,000	86,000
Government	229,000	77,000	13,000	149,000	25,000	81,000
Biological/agricultural/environmental life sciences	219,000	97,000	44,000	127,000	15,000	56,000
Business/industry	111,000	46,000	9,000	68,000	7,000	38,000
4-year college/university	40,000	25,000	10,000	20,000	6,000	5,000
Other educational institution	25,000	6,000	23,000	10,000	D	3,000
Government	43,000	20,000	2,000	29,000	2,000	11,000
Agricultural/food sciences	31,000	14,000	7,000	21,000	S	8,000
Business/industry	16,000	6,000	2,000	11,000	D	6,000
4-year college/university	9,000	5,000	S	5,000	D	D
Other educational institution	2,000	D	2,000	1,000	D	D
Government	4,000	2,000	1,000	3,000	D	*
Biological sciences	154,000	70,000	34,000	82,000	12,000	39,000
Business/industry	78,000	35,000	6,000	44,000	5,000	27,000
4-year college/university	29,000	19,000	7,000	13,000	5,000	3,000
Other educational institution	21,000	5,000	19,000	8,000	D	S
Government	26,000	12,000	S	16,000	2,000	7,000
Environmental life sciences	34,000	14,000	4,000	24,000	2,000	9,000
Business/industry	17,000	6,000	D	13,000	2,000	5,000
4-year college/university	3,000	1,000	S	2,000	D	D
Other educational institution	2,000	D	1,000	D	D	D
Government	13,000	6,000	D	9,000	D	3,000
Computer/mathematical sciences	430,000	182,000	45,000	218,000	213,000	61,000
Business/industry	329,000	142,000	6,000	177,000	183,000	47,000
4-year college/university	37,000	17,000	13,000	11,000	13,000	7,000
Other educational institution	29,000	7,000	24,000	9,000	4,000	2,000
Government	35,000	16,000	S	21,000	12,000	5,000

TABLE 7. Employed U.S. scientists and engineers, by level and 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	326,000	141,000	16,000	166,000	182,000	44,000
Business/industry	269,000	115,000	4,000	142,000	160,000	34,000
4-year college/university	21,000	11,000	3,000	6,000	11,000	5,000
Other educational institution	11,000	2,000	7,000	3,000	3,000	*
Government	25,000	12,000	S	15,000	8,000	4,000
Mathematical sciences	104,000	41,000	29,000	52,000	30,000	17,000
Business/industry	61,000	27,000	2,000	35,000	23,000	12,000
4-year college/university	15,000	6,000	10,000	6,000	2,000	S
Other educational institution	18,000	5,000	17,000	5,000	1,000	1,000
Government	10,000	3,000	D	6,000	4,000	S
Physical/related sciences	129,000	63,000	23,000	68,000	18,000	31,000
Business/industry	77,000	40,000	3,000	45,000	10,000	20,000
4-year college/university	15,000	11,000	4,000	4,000	3,000	3,000
Other educational institution	19,000	3,000	16,000	9,000	D	S
Government	18,000	9,000	1,000	10,000	4,000	6,000
Chemistry, except biochemistry	41,000	21,000	10,000	20,000	2,000	11,000
Business/industry	27,000	15,000	2,000	14,000	2,000	8,000
4-year college/university	5,000	4,000	1,000	S	D	S
Other educational institution	6,000	*	6,000	3,000	D	S
Government	3,000	2,000	D	1,000	D	2,000
Earth/atmospheric/ocean sciences	50,000	24,000	7,000	30,000	6,000	14,000
Business/industry	26,000	13,000	D	18,000	2,000	8,000
4-year college/university	5,000	3,000	1,000	1,000	1,000	S
Other educational institution	6,000	1,000	5,000	4,000	D	D
Government	13,000	7,000	D	7,000	3,000	4,000
Physics/astronomy	34,000	16,000	6,000	15,000	9,000	6,000
Business/industry	21,000	10,000	D	11,000	6,000	4,000
4-year college/university	5,000	4,000	2,000	1,000	2,000	*
Other educational institution	5,000	2,000	4,000	2,000	D	D
Government	2,000	1,000	D	1,000	S	*
Other physical sciences	5,000	2,000	1,000	3,000	D	*
Business/industry	3,000	D	D	S	D	D
4-year college/university	*	*	D	D	D	D
Other educational institution	S	D	1,000	D	D	D
Government	*	D	D	D	D	D
Social/related sciences	703,000	182,000	142,000	434,000	35,000	313,000
Business/industry	346,000	86,000	26,000	250,000	21,000	159,000
4-year college/university	69,000	32,000	25,000	31,000	4,000	17,000
Other educational institution	154,000	32,000	82,000	63,000	3,000	79,000
Government	133,000	32,000	9,000	89,000	7,000	58,000
Economics	61,000	20,000	7,000	48,000	6,000	14,000
Business/industry	47,000	14,000	S	43,000	5,000	11,000
4-year college/university	5,000	3,000	3,000	1,000	1,000	D
Other educational institution	3,000	S	2,000	S	D	D
Government	6,000	3,000	D	4,000	D	1,000
Political/related sciences	121,000	33,000	12,000	95,000	4,000	33,000
Business/industry	67,000	17,000	S	56,000	3,000	19,000
4-year college/university	11,000	5,000	4,000	5,000	D	2,000
Other educational institution	8,000	3,000	5,000	6,000	D	D
Government	36,000	9,000	1,000	28,000	*	10,000

TABLE 7. Employed U.S. scientists and engineers, by level and 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	385,000	83,000	88,000	210,000	15,000	229,000
Business/industry	180,000	39,000	19,000	113,000	8,000	113,000
4-year college/university	26,000	11,000	9,000	12,000	2,000	9,000
Other educational institution	117,000	21,000	55,000	46,000	S	72,000
Government	62,000	12,000	6,000	39,000	4,000	35,000
Sociology/anthropology	58,000	22,000	13,000	34,000	3,000	17,000
Business/industry	23,000	8,000	3,000	17,000	2,000	6,000
4-year college/university	14,000	7,000	4,000	7,000	D	4,000
Other educational institution	8,000	3,000	6,000	3,000	D	1,000
Government	13,000	4,000	S	7,000	S	6,000
Other social sciences	77,000	24,000	21,000	45,000	6,000	21,000
Business/industry	30,000	7,000	1,000	22,000	2,000	10,000
4-year college/university	13,000	7,000	5,000	6,000	1,000	2,000
Other educational institution	19,000	5,000	15,000	7,000	D	3,000
Government	16,000	5,000	*	10,000	1,000	6,000
Engineering	604,000	359,000	20,000	348,000	138,000	106,000
Business/industry	500,000	300,000	6,000	295,000	121,000	87,000
4-year college/university	30,000	24,000	8,000	4,000	7,000	3,000
Other educational institution	6,000	S	5,000	2,000	D	1,000
Government	68,000	34,000	1,000	47,000	9,000	14,000
Aerospace/related engineering	20,000	13,000	2,000	11,000	3,000	4,000
Business/industry	15,000	10,000	1,000	9,000	2,000	3,000
4-year college/university	1,000	1,000	1,000	*	*	*
Other educational institution	D	D	D	D	D	D
Government	3,000	3,000	D	2,000	S	1,000
Chemical engineering	27,000	16,000	S	17,000	4,000	6,000
Business/industry	24,000	13,000	*	16,000	4,000	6,000
4-year college/university	1,000	1,000	*	D	*	*
Other educational institution	S	D	S	D	D	D
Government	1,000	1,000	D	S	D	D
Civil/architectural engineering	93,000	51,000	2,000	66,000	9,000	20,000
Business/industry	72,000	41,000	D	53,000	8,000	15,000
4-year college/university	3,000	2,000	1,000	1,000	D	D
Other educational institution	1,000	D	S	D	D	D
Government	17,000	8,000	D	13,000	1,000	5,000
Electrical/computer engineering	219,000	134,000	6,000	104,000	84,000	28,000
Business/industry	194,000	117,000	3,000	94,000	77,000	25,000
4-year college/university	10,000	8,000	2,000	2,000	3,000	S
Other educational institution	1,000	D	S	D	D	D
Government	14,000	9,000	D	8,000	4,000	2,000
Industrial engineering	34,000	16,000	2,000	23,000	6,000	9,000
Business/industry	28,000	13,000	*	20,000	5,000	7,000
4-year college/university	2,000	1,000	S	*	D	*
Other educational institution	D	D	D	D	D	D
Government	4,000	1,000	D	3,000	*	S
Mechanical engineering	92,000	62,000	3,000	50,000	16,000	12,000
Business/industry	76,000	54,000	*	44,000	13,000	9,000
4-year college/university	6,000	5,000	1,000	1,000	2,000	1,000
Other educational institution	1,000	D	1,000	D	D	D
Government	8,000	3,000	D	5,000	S	2,000

TABLE 7. Employed U.S. scientists and engineers, by level and 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	119,000	67,000	4,000	76,000	15,000	27,000
Business/industry	91,000	52,000	1,000	60,000	12,000	21,000
4-year college/university	7,000	6,000	2,000	1,000	1,000	S
Other educational institution	2,000	D	2,000	1,000	D	D
Government	20,000	9,000	D	14,000	2,000	4,000
S&E-related fields	1,105,000	245,000	386,000	557,000	52,000	598,000
Business/industry	640,000	148,000	122,000	340,000	31,000	399,000
4-year college/university	89,000	25,000	44,000	40,000	5,000	43,000
Other educational institution	250,000	40,000	200,000	101,000	10,000	83,000
Government	125,000	33,000	20,000	77,000	6,000	71,000
Health	802,000	144,000	256,000	384,000	23,000	529,000
Business/industry	517,000	91,000	118,000	258,000	13,000	360,000
4-year college/university	79,000	22,000	39,000	35,000	4,000	42,000
Other educational institution	115,000	11,000	81,000	39,000	D	69,000
Government	91,000	21,000	18,000	52,000	4,000	58,000
Science/mathematics teacher education	162,000	36,000	124,000	73,000	11,000	27,000
Business/industry	21,000	5,000	S	12,000	2,000	10,000
4-year college/university	6,000	2,000	4,000	2,000	D	D
Other educational institution	127,000	27,000	115,000	56,000	7,000	14,000
Government	8,000	S	S	3,000	D	3,000
Technology/technical fields	46,000	18,000	4,000	30,000	15,000	6,000
Business/industry	37,000	16,000	D	24,000	14,000	6,000
4-year college/university	1,000	D	D	S	D	D
Other educational institution	4,000	D	S	D	D	D
Government	3,000	D	D	S	D	D
Other S&E-related fields	95,000	47,000	2,000	69,000	2,000	35,000
Business/industry	65,000	35,000	D	46,000	2,000	24,000
4-year college/university	4,000	D	2,000	S	D	D
Other educational institution	3,000	D	D	D	D	D
Government	23,000	9,000	D	18,000	D	9,000
Non-S&E fields	2,501,000	575,000	707,000	1,730,000	194,000	732,000
Business/industry	1,432,000	353,000	96,000	1,126,000	148,000	457,000
4-year college/university	133,000	34,000	61,000	76,000	10,000	44,000
Other educational institution	656,000	126,000	524,000	307,000	18,000	127,000
Government	279,000	62,000	26,000	221,000	17,000	104,000
Arts/humanities	95,000	29,000	38,000	46,000	9,000	31,000
Business/industry	48,000	15,000	3,000	28,000	7,000	20,000
4-year college/university	15,000	4,000	11,000	4,000	1,000	6,000
Other educational institution	24,000	8,000	23,000	10,000	D	D
Government	8,000	2,000	D	4,000	D	5,000
Education, except science/mathematics teacher education	730,000	139,000	485,000	391,000	25,000	162,000
Business/industry	127,000	23,000	23,000	92,000	6,000	49,000
4-year college/university	40,000	10,000	22,000	23,000	D	11,000
Other educational institution	528,000	100,000	434,000	249,000	14,000	92,000
Government	35,000	6,000	6,000	28,000	3,000	10,000
Management/administration	1,017,000	264,000	59,000	842,000	124,000	239,000
Business/industry	860,000	227,000	26,000	722,000	112,000	203,000
4-year college/university	31,000	10,000	6,000	24,000	5,000	7,000
Other educational institution	34,000	4,000	23,000	18,000	D	7,000
Government	91,000	23,000	4,000	78,000	7,000	22,000

TABLE 7. Employed U.S. scientists and engineers, by level and 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	100,000	28,000	4,000	87,000	7,000	18,000
Business/industry	93,000	25,000	D	84,000	6,000	18,000
4-year college/university	D	D	D	D	D	D
Other educational institution	3,000	D	S	D	D	D
Government	S	D	D	D	D	D
Social services/related	291,000	47,000	70,000	165,000	8,000	192,000
Business/industry	186,000	29,000	33,000	111,000	4,000	127,000
4-year college/university	17,000	3,000	8,000	9,000	D	10,000
Other educational institution	37,000	4,000	20,000	15,000	D	21,000
Government	51,000	11,000	10,000	30,000	D	34,000
Other non-S&E fields	268,000	69,000	52,000	198,000	21,000	89,000
Business/industry	117,000	33,000	11,000	89,000	12,000	40,000
4-year college/university	27,000	7,000	12,000	15,000	S	10,000
Other educational institution	30,000	8,000	23,000	14,000	S	5,000
Government	94,000	20,000	6,000	80,000	3,000	33,000
Doctoral degrees, all fields	934,000	575,000	300,000	397,000	76,000	211,000
Business/industry	416,000	245,000	24,000	214,000	52,000	127,000
4-year college/university	381,000	264,000	234,000	117,000	13,000	49,000
Other educational institution	56,000	15,000	38,000	25,000	2,000	12,000
Government	81,000	52,000	4,000	41,000	8,000	23,000
S&E fields	742,000	485,000	210,000	308,000	67,000	157,000
Business/industry	350,000	220,000	14,000	176,000	47,000	97,000
4-year college/university	301,000	217,000	175,000	91,000	12,000	35,000
Other educational institution	23,000	4,000	17,000	7,000	1,000	6,000
Government	68,000	44,000	3,000	35,000	6,000	19,000
Sciences	603,000	380,000	186,000	254,000	44,000	140,000
Business/industry	258,000	150,000	13,000	136,000	29,000	84,000
4-year college/university	265,000	190,000	154,000	81,000	10,000	33,000
Other educational institution	22,000	4,000	16,000	7,000	S	5,000
Government	58,000	36,000	3,000	30,000	5,000	17,000
Biological/agricultural/environmental life sciences	206,000	144,000	51,000	94,000	8,000	41,000
Business/industry	81,000	54,000	5,000	46,000	5,000	21,000
4-year college/university	95,000	73,000	40,000	34,000	2,000	14,000
Other educational institution	6,000	1,000	5,000	2,000	D	1,000
Government	23,000	16,000	1,000	12,000	1,000	5,000
Agricultural/food sciences	19,000	13,000	4,000	10,000	1,000	3,000
Business/industry	8,000	6,000	*	6,000	*	2,000
4-year college/university	7,000	5,000	3,000	3,000	*	1,000
Other educational institution	1,000	D	1,000	*	D	D
Government	3,000	2,000	D	1,000	D	1,000
Biological sciences	180,000	126,000	45,000	81,000	7,000	36,000
Business/industry	71,000	47,000	5,000	39,000	4,000	19,000
4-year college/university	85,000	66,000	35,000	31,000	2,000	12,000
Other educational institution	6,000	1,000	5,000	2,000	D	1,000
Government	18,000	12,000	1,000	10,000	1,000	4,000
Environmental life sciences	7,000	5,000	2,000	3,000	*	1,000
Business/industry	2,000	1,000	*	1,000	*	*
4-year college/university	3,000	2,000	2,000	1,000	D	*
Other educational institution	*	D	*	D	D	D
Government	2,000	2,000	*	1,000	*	*

TABLE 7. Employed U.S. scientists and engineers, by level and 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	60,000	41,000	25,000	18,000	15,000	6,000
Business/industry	27,000	18,000	*	11,000	12,000	4,000
4-year college/university	30,000	21,000	23,000	6,000	2,000	2,000
Other educational institution	2,000	*	1,000	*	*	*
Government	3,000	2,000	D	1,000	1,000	*
Computer/information sciences	24,000	16,000	6,000	8,000	8,000	3,000
Business/industry	14,000	9,000	*	6,000	6,000	S
4-year college/university	9,000	7,000	6,000	2,000	1,000	1,000
Other educational institution	*	D	*	D	*	D
Government	1,000	1,000	D	*	*	D
Mathematical sciences	37,000	25,000	18,000	10,000	7,000	3,000
Business/industry	13,000	9,000	*	5,000	5,000	2,000
4-year college/university	21,000	14,000	17,000	4,000	1,000	1,000
Other educational institution	1,000	*	1,000	*	D	*
Government	2,000	1,000	D	1,000	1,000	*
Physical/related sciences	140,000	98,000	35,000	58,000	16,000	19,000
Business/industry	74,000	52,000	2,000	38,000	10,000	13,000
4-year college/university	49,000	35,000	29,000	14,000	4,000	4,000
Other educational institution	5,000	1,000	4,000	1,000	*	1,000
Government	13,000	10,000	*	5,000	2,000	2,000
Chemistry, except biochemistry	71,000	48,000	15,000	34,000	4,000	11,000
Business/industry	44,000	30,000	1,000	25,000	3,000	8,000
4-year college/university	20,000	13,000	11,000	6,000	1,000	2,000
Other educational institution	3,000	*	2,000	1,000	D	*
Government	5,000	4,000	D	2,000	*	1,000
Earth/atmospheric/ocean sciences	19,000	14,000	7,000	7,000	2,000	3,000
Business/industry	6,000	4,000	1,000	3,000	1,000	1,000
4-year college/university	10,000	7,000	6,000	3,000	1,000	1,000
Other educational institution	1,000	*	*	*	D	D
Government	3,000	2,000	D	2,000	*	1,000
Physics/astronomy	48,000	35,000	13,000	16,000	10,000	5,000
Business/industry	24,000	17,000	1,000	10,000	6,000	3,000
4-year college/university	19,000	14,000	11,000	4,000	2,000	1,000
Other educational institution	1,000	*	1,000	*	D	*
Government	5,000	4,000	D	1,000	1,000	1,000
Other physical sciences	2,000	2,000	1,000	1,000	*	*
Business/industry	1,000	1,000	D	*	D	*
4-year college/university	1,000	1,000	1,000	*	D	D
Other educational institution	D	D	D	D	D	D
Government	*	*	D	*	D	D
Social/related sciences	196,000	97,000	76,000	83,000	5,000	74,000
Business/industry	76,000	26,000	6,000	41,000	3,000	47,000
4-year college/university	91,000	60,000	63,000	27,000	1,000	13,000
Other educational institution	9,000	2,000	5,000	3,000	*	4,000
Government	19,000	8,000	1,000	11,000	1,000	10,000
Economics	24,000	16,000	10,000	9,000	1,000	4,000
Business/industry	8,000	4,000	*	5,000	1,000	3,000
4-year college/university	13,000	10,000	9,000	3,000	*	1,000
Other educational institution	*	*	*	*	D	D
Government	3,000	2,000	D	2,000	*	1,000

TABLE 7. Employed U.S. scientists and engineers, by level and 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	22,000	12,000	12,000	9,000	*	4,000
Business/industry	6,000	2,000	*	4,000	*	2,000
4-year college/university	13,000	9,000	11,000	4,000	*	1,000
Other educational institution	1,000	*	1,000	*	D	*
Government	2,000	1,000	D	1,000	D	1,000
Psychology	106,000	41,000	29,000	48,000	2,000	57,000
Business/industry	53,000	14,000	4,000	27,000	1,000	38,000
4-year college/university	36,000	23,000	21,000	12,000	1,000	8,000
Other educational institution	6,000	1,000	2,000	2,000	*	3,000
Government	11,000	3,000	1,000	7,000	*	7,000
Sociology/anthropology	27,000	17,000	16,000	10,000	1,000	5,000
Business/industry	6,000	3,000	*	3,000	*	2,000
4-year college/university	19,000	12,000	15,000	5,000	*	2,000
Other educational institution	1,000	*	1,000	*	D	*
Government	2,000	2,000	D	1,000	*	1,000
Other social sciences	17,000	11,000	8,000	7,000	*	3,000
Business/industry	4,000	2,000	*	2,000	*	2,000
4-year college/university	10,000	7,000	7,000	3,000	*	1,000
Other educational institution	1,000	*	1,000	*	D	*
Government	1,000	1,000	D	1,000	D	*
Engineering	140,000	105,000	23,000	54,000	23,000	17,000
Business/industry	92,000	70,000	1,000	39,000	19,000	13,000
4-year college/university	36,000	27,000	21,000	10,000	2,000	2,000
Other educational institution	1,000	D	1,000	*	D	*
Government	10,000	8,000	*	5,000	2,000	2,000
Aerospace/related engineering	7,000	5,000	1,000	2,000	1,000	*
Business/industry	4,000	4,000	D	2,000	1,000	*
4-year college/university	2,000	1,000	1,000	*	D	*
Other educational institution	D	D	D	D	D	D
Government	1,000	1,000	D	*	D	D
Chemical engineering	18,000	13,000	2,000	7,000	2,000	3,000
Business/industry	13,000	10,000	*	6,000	2,000	2,000
4-year college/university	3,000	2,000	2,000	1,000	D	*
Other educational institution	*	D	D	D	D	D
Government	1,000	1,000	D	*	*	*
Civil/architectural engineering	12,000	9,000	3,000	5,000	1,000	2,000
Business/industry	6,000	4,000	D	3,000	1,000	1,000
4-year college/university	4,000	3,000	3,000	1,000	*	*
Other educational institution	D	D	D	D	D	D
Government	2,000	1,000	D	1,000	D	*
Electrical/computer engineering	42,000	32,000	8,000	14,000	10,000	4,000
Business/industry	29,000	23,000	*	11,000	8,000	3,000
4-year college/university	11,000	8,000	7,000	3,000	1,000	1,000
Other educational institution	*	D	*	D	D	D
Government	2,000	1,000	D	1,000	*	D
Industrial engineering	4,000	3,000	1,000	2,000	1,000	1,000
Business/industry	2,000	1,000	D	1,000	1,000	*
4-year college/university	2,000	1,000	1,000	*	D	*
Other educational institution	D	D	D	D	D	D
Government	*	D	D	*	D	D

TABLE 7. Employed U.S. scientists and engineers, by level and 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	19,000	14,000	3,000	7,000	3,000	2,000
Business/industry	13,000	10,000	D	5,000	2,000	2,000
4-year college/university	4,000	3,000	2,000	2,000	*	*
Other educational institution	*	D	*	D	D	D
Government	1,000	1,000	D	1,000	*	*
Other engineering	39,000	29,000	6,000	16,000	5,000	6,000
Business/industry	25,000	18,000	*	12,000	4,000	4,000
4-year college/university	10,000	8,000	5,000	3,000	1,000	1,000
Other educational institution	*	D	*	*	D	D
Government	4,000	3,000	D	2,000	*	1,000
S&E-related fields	66,000	40,000	25,000	26,000	4,000	22,000
Business/industry	25,000	14,000	2,000	11,000	2,000	13,000
4-year college/university	27,000	18,000	17,000	8,000	1,000	5,000
Other educational institution	5,000	3,000	4,000	2,000	D	1,000
Government	9,000	6,000	S	5,000	1,000	3,000
Health	50,000	28,000	16,000	22,000	2,000	19,000
Business/industry	20,000	9,000	2,000	10,000	1,000	11,000
4-year college/university	20,000	13,000	11,000	7,000	*	4,000
Other educational institution	1,000	S	S	*	D	*
Government	9,000	6,000	S	4,000	1,000	3,000
Science/mathematics teacher education	8,000	5,000	7,000	3,000	D	D
Business/industry	D	D	D	D	D	D
4-year college/university	4,000	3,000	4,000	1,000	D	D
Other educational institution	4,000	D	3,000	D	D	D
Government	D	D	D	D	D	D
Technology/technical fields	4,000	3,000	D	S	1,000	D
Business/industry	2,000	2,000	D	D	1,000	D
4-year college/university	S	S	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	4,000	4,000	1,000	1,000	D	D
Business/industry	D	D	D	D	D	D
4-year college/university	1,000	1,000	1,000	D	D	D
Other educational institution	D	D	D	D	D	D
Government	D	D	D	D	D	D
Non-S&E fields	126,000	49,000	66,000	63,000	5,000	32,000
Business/industry	41,000	11,000	7,000	28,000	2,000	17,000
4-year college/university	53,000	28,000	41,000	18,000	1,000	9,000
Other educational institution	28,000	8,000	17,000	16,000	D	5,000
Government	4,000	S	D	S	S	D
Arts/humanities	16,000	7,000	9,000	6,000	D	4,000
Business/industry	3,000	S	D	1,000	D	S
4-year college/university	10,000	5,000	8,000	3,000	D	2,000
Other educational institution	1,000	D	1,000	D	D	D
Government	D	D	D	D	D	D
Education, except science/mathematics teacher education	58,000	19,000	30,000	32,000	S	16,000
Business/industry	13,000	4,000	3,000	8,000	D	5,000
4-year college/university	21,000	9,000	15,000	9,000	D	6,000
Other educational institution	23,000	5,000	12,000	14,000	D	5,000
Government	S	D	D	D	D	D

TABLE 7. Employed U.S. scientists and engineers, by level and 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	15,000	8,000	7,000	6,000	D	S
Business/industry	6,000	S	D	4,000	D	D
4-year college/university	8,000	6,000	7,000	2,000	D	D
Other educational institution	D	D	D	D	D	D
Government	D	D	D	D	D	D
Sales/marketing	2,000	2,000	1,000	D	D	D
Business/industry	D	D	D	D	D	D
4-year college/university	2,000	2,000	1,000	D	D	D
Other educational institution	D	D	D	D	D	D
Government	D	D	D	D	D	D
Social services/related	19,000	6,000	12,000	9,000	S	6,000
Business/industry	9,000	D	3,000	6,000	D	4,000
4-year college/university	7,000	3,000	6,000	2,000	D	S
Other educational institution	S	D	S	D	D	D
Government	D	D	D	D	D	D
Other non-S&E fields	17,000	8,000	6,000	10,000	S	4,000
Business/industry	10,000	3,000	D	8,000	D	3,000
4-year college/university	6,000	4,000	5,000	1,000	D	D
Other educational institution	D	D	D	D	D	D
Government	1,000	D	D	D	D	D

* = value < 500. D = suppressed to avoid disclosure of confidential information. S = suppressed for reliability; coefficient of variation exceeds publication standards.

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. Numbers are rounded to nearest thousand. Detail may not add to total because of rounding.

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

TABLE 8. Employed U.S. scientists and engineers, by level and field of highest degree, sex, ethnicity, and race: 2008

Level and field of highest degree	Employed scientists and engineers	Sex		Hispanic or Latino	Not Hispanic or Latino				
		Male	Female		American Indian or Alaska Native	Asian	Black or African American	White	Other[a]
All levels and fields[b]	19,244,000	10,683,000	8,561,000	1,074,000	77,000	2,038,000	1,107,000	14,555,000	393,000
S&E fields	10,216,000	6,389,000	3,827,000	602,000	39,000	1,303,000	539,000	7,493,000	239,000
Sciences	7,763,000	4,255,000	3,508,000	458,000	33,000	832,000	464,000	5,790,000	186,000
Biological/agricultural/environmental life sciences	1,569,000	845,000	724,000	87,000	7,000	158,000	62,000	1,224,000	31,000
Agricultural sciences	266,000	168,000	98,000	11,000	S	15,000	6,000	227,000	6,000
Biological sciences	1,125,000	558,000	567,000	71,000	4,000	135,000	54,000	840,000	22,000
Environmental life sciences	178,000	119,000	59,000	5,000	1,000	7,000	3,000	158,000	4,000
Computer/mathematical sciences	1,651,000	1,144,000	507,000	73,000	8,000	336,000	98,000	1,107,000	29,000
Computer/information sciences	1,159,000	841,000	317,000	59,000	8,000	273,000	71,000	725,000	22,000
Mathematics/statistics	492,000	302,000	190,000	13,000	*	63,000	26,000	382,000	7,000
Physical/related sciences	665,000	482,000	183,000	31,000	2,000	94,000	19,000	507,000	11,000
Chemistry, except biochemistry	306,000	199,000	107,000	16,000	S	56,000	11,000	216,000	6,000
Earth/atmospheric/ocean sciences	168,000	130,000	38,000	6,000	*	7,000	1,000	151,000	2,000
Physics/astronomy	150,000	128,000	23,000	6,000	*	29,000	4,000	109,000	2,000
Other physical sciences	40,000	24,000	16,000	4,000	D	2,000	4,000	30,000	S
Social/related sciences	3,878,000	1,785,000	2,094,000	267,000	16,000	243,000	284,000	2,952,000	114,000
Economics	580,000	426,000	155,000	29,000	*	86,000	20,000	431,000	14,000
Political/related sciences	705,000	423,000	283,000	43,000	2,000	42,000	54,000	545,000	20,000
Psychology	1,414,000	436,000	977,000	109,000	6,000	55,000	111,000	1,094,000	39,000
Sociology/anthropology	763,000	301,000	462,000	54,000	5,000	36,000	66,000	572,000	29,000
Other social sciences	416,000	199,000	217,000	32,000	S	25,000	33,000	312,000	12,000
Engineering	2,453,000	2,134,000	319,000	145,000	6,000	472,000	75,000	1,703,000	53,000
Aerospace/aeronautical/astronautical engineering	81,000	75,000	6,000	5,000	1,000	7,000	2,000	63,000	4,000
Chemical engineering	165,000	127,000	38,000	9,000	2,000	34,000	5,000	113,000	3,000
Civil/architectural engineering	397,000	342,000	55,000	30,000	1,000	52,000	12,000	291,000	11,000
Electrical/computer engineering	808,000	715,000	93,000	47,000	1,000	226,000	31,000	483,000	20,000
Industrial engineering	139,000	111,000	29,000	13,000	D	23,000	7,000	95,000	2,000
Mechanical engineering	500,000	460,000	39,000	23,000	1,000	70,000	12,000	385,000	8,000
Other engineering	363,000	305,000	58,000	19,000	*	58,000	7,000	273,000	5,000
S&E-related fields	4,727,000	1,892,000	2,834,000	253,000	20,000	461,000	280,000	3,623,000	91,000
Health	3,784,000	1,254,000	2,531,000	205,000	16,000	388,000	230,000	2,867,000	79,000
Science/mathematics teacher education	308,000	135,000	173,000	10,000	D	11,000	15,000	267,000	3,000
Technology/technical fields	306,000	263,000	43,000	18,000	D	37,000	20,000	224,000	5,000
Other S&E-related fields	328,000	241,000	87,000	19,000	D	26,000	15,000	264,000	3,000
Non-S&E fields	4,302,000	2,403,000	1,899,000	219,000	19,000	274,000	288,000	3,439,000	63,000
Arts/humanities	308,000	169,000	139,000	16,000	D	19,000	4,000	265,000	4,000
Education, except science/mathematics teacher education	948,000	343,000	605,000	52,000	6,000	28,000	75,000	775,000	12,000

TABLE 8. Employed U.S. scientists and engineers, by level and field of highest degree, sex, ethnicity, and race: 2008

Level and field of highest degree	Employed scientists and engineers	Sex		Hispanic or Latino	Not Hispanic or Latino				
		Male	Female		American Indian or Alaska Native	Asian	Black or African American	White	Other[a]
Management/administration	1,417,000	1,012,000	405,000	72,000	7,000	150,000	89,000	1,079,000	20,000
Sales/marketing	150,000	94,000	56,000	7,000	D	11,000	7,000	122,000	S
Social services/related	354,000	145,000	209,000	19,000	1,000	10,000	39,000	279,000	6,000
Other non-S&E fields	1,125,000	640,000	485,000	53,000	4,000	54,000	74,000	919,000	20,000
Bachelor's degrees	10,745,000	5,905,000	4,840,000	640,000	49,000	980,000	646,000	8,168,000	262,000
S&E fields	7,367,000	4,580,000	2,787,000	476,000	31,000	726,000	425,000	5,516,000	192,000
Sciences	5,658,000	3,075,000	2,583,000	364,000	26,000	488,000	366,000	4,262,000	152,000
Biological/agricultural/environmental life sciences	1,144,000	600,000	544,000	69,000	5,000	90,000	51,000	905,000	24,000
Agricultural sciences	217,000	136,000	81,000	9,000	S	10,000	4,000	189,000	4,000
Biological sciences	791,000	371,000	419,000	56,000	3,000	76,000	45,000	593,000	17,000
Environmental life sciences	137,000	94,000	43,000	5,000	1,000	4,000	2,000	123,000	S
Computer/mathematical sciences	1,161,000	800,000	361,000	60,000	7,000	164,000	77,000	829,000	24,000
Computer/information sciences	809,000	591,000	218,000	49,000	6,000	131,000	57,000	547,000	18,000
Mathematics/statistics	352,000	209,000	142,000	11,000	D	33,000	20,000	281,000	6,000
Physical/related sciences	395,000	275,000	120,000	23,000	2,000	41,000	13,000	309,000	8,000
Chemistry, except biochemistry	194,000	118,000	76,000	13,000	S	26,000	8,000	142,000	5,000
Earth/atmospheric/ocean sciences	100,000	79,000	21,000	4,000	*	2,000	1,000	92,000	1,000
Physics/astronomy	68,000	57,000	11,000	3,000	*	12,000	2,000	50,000	1,000
Other physical sciences	33,000	21,000	12,000	4,000	D	1,000	S	25,000	D
Social/related sciences	2,958,000	1,399,000	1,559,000	211,000	13,000	192,000	226,000	2,220,000	96,000
Economics	495,000	366,000	129,000	25,000	D	72,000	18,000	368,000	13,000
Political/related sciences	562,000	340,000	222,000	36,000	1,000	31,000	45,000	431,000	18,000
Psychology	901,000	278,000	623,000	79,000	4,000	41,000	78,000	671,000	28,000
Sociology/anthropology	678,000	260,000	418,000	46,000	5,000	31,000	59,000	509,000	27,000
Other social sciences	322,000	154,000	168,000	25,000	S	17,000	26,000	241,000	10,000
Engineering	1,709,000	1,505,000	204,000	113,000	5,000	238,000	59,000	1,254,000	40,000
Aerospace/aeronautical/astronautical engineering	54,000	50,000	4,000	4,000	D	3,000	2,000	43,000	2,000
Chemical engineering	121,000	91,000	30,000	7,000	S	17,000	3,000	90,000	3,000
Civil/architectural engineering	292,000	255,000	37,000	25,000	1,000	28,000	9,000	221,000	8,000
Electrical/computer engineering	547,000	494,000	53,000	37,000	1,000	117,000	26,000	350,000	16,000
Industrial engineering	101,000	79,000	21,000	10,000	D	10,000	5,000	75,000	1,000
Mechanical engineering	389,000	361,000	28,000	19,000	1,000	42,000	10,000	311,000	6,000
Other engineering	205,000	174,000	30,000	12,000	D	20,000	4,000	165,000	3,000
S&E-related fields	2,406,000	773,000	1,633,000	129,000	12,000	201,000	161,000	1,849,000	54,000
Health	1,782,000	308,000	1,474,000	93,000	9,000	157,000	132,000	1,345,000	47,000
Science/mathematics teacher education	138,000	70,000	68,000	5,000	D	4,000	2,000	125,000	D
Technology/technical fields	257,000	223,000	34,000	16,000	D	22,000	16,000	196,000	5,000
Other S&E-related fields	229,000	173,000	56,000	14,000	D	18,000	11,000	183,000	2,000

TABLE 8. Employed U.S. scientists and engineers, by level and field of highest degree, sex, ethnicity, and race: 2008

Level and field of highest degree	Employed scientists and engineers	Sex		Hispanic or Latino	Not Hispanic or Latino				
		Male	Female		American Indian or Alaska Native	Asian	Black or African American	White	Other[a]
Non-S&E fields	971,000	552,000	420,000	34,000	5,000	53,000	59,000	803,000	16,000
Arts/humanities	197,000	119,000	78,000	6,000	D	8,000	3,000	177,000	2,000
Education, except science/mathematics teacher education	157,000	54,000	103,000	4,000	D	5,000	10,000	134,000	S
Management/administration	385,000	261,000	124,000	15,000	D	33,000	27,000	301,000	7,000
Sales/marketing	48,000	27,000	21,000	2,000	D	D	S	42,000	D
Social services/related	31,000	18,000	12,000	D	D	D	4,000	25,000	D
Other non-S&E fields	154,000	73,000	81,000	6,000	D	6,000	13,000	124,000	3,000
Master's degrees	5,690,000	2,937,000	2,753,000	292,000	21,000	687,000	350,000	4,251,000	90,000
S&E fields	2,085,000	1,274,000	811,000	101,000	6,000	426,000	93,000	1,421,000	38,000
Sciences	1,481,000	769,000	712,000	73,000	5,000	245,000	79,000	1,052,000	27,000
Biological/agricultural/environmental life sciences	219,000	110,000	109,000	10,000	S	26,000	7,000	171,000	5,000
Agricultural sciences	31,000	17,000	13,000	2,000	D	2,000	S	24,000	S
Biological sciences	154,000	72,000	82,000	8,000	*	21,000	4,000	118,000	2,000
Environmental life sciences	34,000	21,000	14,000	*	D	3,000	1,000	29,000	S
Computer/mathematical sciences	430,000	293,000	137,000	11,000	S	156,000	20,000	237,000	5,000
Computer/information sciences	326,000	230,000	96,000	10,000	D	134,000	14,000	163,000	4,000
Mathematics/statistics	104,000	63,000	41,000	1,000	D	22,000	6,000	74,000	1,000
Physical/related sciences	129,000	91,000	38,000	5,000	*	24,000	4,000	94,000	2,000
Chemistry, except biochemistry	41,000	25,000	17,000	1,000	D	14,000	2,000	24,000	1,000
Earth/atmospheric/ocean sciences	50,000	36,000	13,000	1,000	*	3,000	*	44,000	1,000
Physics/astronomy	34,000	28,000	6,000	2,000	D	7,000	1,000	23,000	*
Other physical sciences	5,000	2,000	3,000	D	D	D	S	4,000	D
Social/related sciences	703,000	274,000	428,000	47,000	3,000	38,000	49,000	551,000	15,000
Economics	61,000	41,000	20,000	3,000	D	11,000	2,000	45,000	S
Political/related sciences	121,000	67,000	55,000	7,000	D	9,000	8,000	95,000	2,000
Psychology	385,000	104,000	282,000	24,000	1,000	10,000	27,000	313,000	10,000
Sociology/anthropology	58,000	28,000	30,000	7,000	S	3,000	6,000	40,000	S
Other social sciences	77,000	35,000	42,000	6,000	*	5,000	6,000	58,000	1,000
Engineering	604,000	505,000	99,000	29,000	1,000	181,000	14,000	369,000	11,000
Aerospace/aeronautical/astronautical engineering	20,000	19,000	2,000	S	D	3,000	*	15,000	1,000
Chemical engineering	27,000	20,000	6,000	1,000	D	11,000	1,000	13,000	*
Civil/architectural engineering	93,000	76,000	17,000	5,000	D	20,000	2,000	63,000	2,000
Electrical/computer engineering	219,000	184,000	36,000	9,000	D	91,000	4,000	112,000	3,000
Industrial engineering	34,000	28,000	7,000	3,000	D	11,000	2,000	18,000	*
Mechanical engineering	92,000	82,000	10,000	3,000	D	21,000	2,000	64,000	2,000
Other engineering	119,000	97,000	22,000	6,000	*	25,000	3,000	83,000	2,000

TABLE 8. Employed U.S. scientists and engineers, by level and field of highest degree, sex, ethnicity, and race: 2008

Level and field of highest degree	Employed scientists and engineers	Sex		Hispanic or Latino	Not Hispanic or Latino				
		Male	Female		American Indian or Alaska Native	Asian	Black or African American	White	Other[a]
S&E-related fields	1,105,000	314,000	791,000	49,000	3,000	81,000	69,000	884,000	19,000
Health	802,000	151,000	652,000	37,000	3,000	55,000	49,000	645,000	14,000
Science/mathematics teacher education	162,000	61,000	101,000	5,000	D	6,000	13,000	134,000	3,000
Technology/technical fields	46,000	37,000	9,000	2,000	D	13,000	3,000	27,000	D
Other S&E-related fields	95,000	65,000	30,000	5,000	D	7,000	4,000	78,000	S
Non-S&E fields	2,501,000	1,349,000	1,152,000	142,000	12,000	180,000	188,000	1,946,000	33,000
Arts/humanities	95,000	42,000	53,000	8,000	D	11,000	D	75,000	1,000
Education, except science/math teacher education	730,000	261,000	470,000	44,000	4,000	21,000	58,000	594,000	9,000
Management/administration	1,017,000	739,000	278,000	57,000	5,000	112,000	61,000	768,000	12,000
Sales/marketing	100,000	66,000	34,000	5,000	D	9,000	5,000	80,000	D
Social services/related	291,000	101,000	189,000	17,000	1,000	8,000	34,000	226,000	5,000
Other non-S&E fields	268,000	140,000	128,000	11,000	D	19,000	29,000	204,000	5,000
Doctoral degrees	934,000	632,000	302,000	35,000	2,000	171,000	34,000	682,000	11,000
S&E fields	742,000	529,000	214,000	23,000	1,000	151,000	21,000	537,000	9,000
Sciences	603,000	405,000	197,000	20,000	1,000	99,000	18,000	457,000	7,000
Biological/agricultural/environmental life sciences	206,000	134,000	72,000	7,000	*	42,000	5,000	149,000	3,000
Agricultural sciences	19,000	15,000	4,000	1,000	D	3,000	1,000	14,000	*
Biological sciences	180,000	114,000	66,000	6,000	*	38,000	4,000	129,000	2,000
Environmental life sciences	7,000	5,000	2,000	*	D	1,000	*	6,000	D
Computer/mathematical sciences	60,000	50,000	10,000	1,000	D	16,000	2,000	41,000	*
Computer/information sciences	24,000	21,000	3,000	*	D	8,000	1,000	15,000	*
Mathematics/statistics	37,000	30,000	7,000	1,000	D	8,000	1,000	26,000	*
Physical/related sciences	140,000	116,000	25,000	3,000	*	29,000	2,000	104,000	2,000
Chemistry, except biochemistry	71,000	56,000	14,000	2,000	*	16,000	1,000	50,000	1,000
Earth/atmospheric/ocean sciences	19,000	15,000	4,000	*	D	2,000	*	16,000	*
Physics/astronomy	48,000	43,000	5,000	1,000	D	10,000	1,000	36,000	*
Other physical sciences	2,000	2,000	1,000	D	D	*	D	2,000	D
Social/related sciences	196,000	105,000	91,000	8,000	1,000	12,000	10,000	163,000	3,000
Economics	24,000	18,000	6,000	1,000	D	4,000	1,000	18,000	*
Political/related sciences	22,000	16,000	6,000	1,000	*	1,000	1,000	18,000	*
Psychology	106,000	48,000	58,000	4,000	*	4,000	5,000	91,000	1,000
Sociology/anthropology	27,000	14,000	14,000	1,000	*	1,000	2,000	23,000	1,000
Other social sciences	17,000	10,000	7,000	1,000	*	2,000	1,000	13,000	*
Engineering	140,000	123,000	16,000	3,000	*	52,000	3,000	80,000	1,000
Aerospace/aeronautical/astronautical engineering	7,000	6,000	*	*	D	2,000	*	5,000	D
Chemical engineering	18,000	15,000	2,000	1,000	D	6,000	1,000	10,000	*
Civil/architectural engineering	12,000	11,000	1,000	*	D	4,000	*	7,000	D
Electrical/computer engineering	42,000	37,000	4,000	1,000	D	18,000	1,000	21,000	1,000

TABLE 8. Employed U.S. scientists and engineers, by level and field of highest degree, sex, ethnicity, and race: 2008

Level and field of highest degree	Employed scientists and engineers	Sex		Hispanic or Latino	Not Hispanic or Latino				
		Male	Female		American Indian or Alaska Native	Asian	Black or African American	White	Other[a]
Industrial engineering	4,000	3,000	1,000	*	D	2,000	*	2,000	D
Mechanical engineering	19,000	17,000	1,000	*	D	8,000	*	10,000	*
Other engineering	39,000	33,000	6,000	1,000	D	13,000	1,000	24,000	*
S&E-related fields	66,000	32,000	34,000	4,000	*	10,000	4,000	47,000	1,000
Health	50,000	22,000	28,000	4,000	*	8,000	3,000	34,000	1,000
Science/mathematics teacher education	8,000	4,000	4,000	D	D	D	1,000	7,000	D
Technology/technical fields	4,000	3,000	D	D	D	2,000	D	2,000	D
Other S&E-related fields	4,000	S	1,000	D	D	D	D	3,000	D
Non-S&E fields	126,000	71,000	55,000	8,000	D	9,000	9,000	98,000	2,000
Arts/humanities	16,000	8,000	8,000	S	D	*	D	13,000	D
Education, except science/mathematics teacher education	58,000	27,000	31,000	3,000	D	1,000	7,000	46,000	1,000
Management/administration	15,000	12,000	3,000	D	D	5,000	D	8,000	D
Sales/marketing	2,000	1,000	D	D	D	D	D	D	D
Social services/related	19,000	14,000	5,000	D	D	1,000	1,000	15,000	D
Other non-S&E fields	17,000	9,000	8,000	S	D	*	D	15,000	D

* = value < 500. D = suppressed to avoid disclosure of confidential information. S = suppressed for reliability; coefficient of variation exceeds publication standards.

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. Numbers are rounded to nearest thousand. Detail may not add to total because of rounding.

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

TABLE 9. Employed U.S. scientists and engineers, by level of highest degree, occupation, citizenship status, and employment sector: 2008

Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment: Business/ industry	4-year college/ university	Other educational institution	Government
All degree levels and occupations[a]	19,244,000	13,434,000	1,443,000	2,016,000	2,352,000
U.S. citizen	18,423,000	12,818,000	1,307,000	1,982,000	2,315,000
Native-born	16,177,000	11,124,000	1,136,000	1,844,000	2,073,000
Naturalized	2,245,000	1,695,000	171,000	138,000	242,000
Non-U.S. citizen	822,000	615,000	136,000	34,000	37,000
Permanent resident	596,000	458,000	75,000	31,000	33,000
Temporary resident	225,000	157,000	61,000	3,000	4,000
S&E occupations	4,874,000	3,455,000	647,000	150,000	621,000
U.S. citizen	4,451,000	3,149,000	548,000	148,000	607,000
Native-born	3,731,000	2,599,000	471,000	135,000	527,000
Naturalized	720,000	550,000	77,000	13,000	80,000
Non-U.S. citizen	423,000	307,000	100,000	3,000	14,000
Permanent resident	263,000	200,000	51,000	2,000	10,000
Temporary resident	160,000	107,000	48,000	S	3,000
Science occupations	3,292,000	2,158,000	574,000	146,000	415,000
U.S. citizen	2,987,000	1,947,000	491,000	143,000	405,000
Native-born	2,504,000	1,585,000	425,000	131,000	362,000
Naturalized	483,000	362,000	66,000	12,000	43,000
Non-U.S. citizen	305,000	210,000	83,000	3,000	10,000
Permanent resident	198,000	143,000	45,000	2,000	8,000
Temporary resident	108,000	67,000	38,000	S	2,000
Biological/agricultural/other life scientists	498,000	185,000	187,000	14,000	111,000
U.S. citizen	444,000	165,000	156,000	14,000	109,000
Native-born	375,000	131,000	132,000	13,000	99,000
Naturalized	69,000	34,000	24,000	1,000	10,000
Non-U.S. citizen	54,000	20,000	32,000	*	3,000
Permanent resident	38,000	15,000	21,000	*	2,000
Temporary resident	16,000	5,000	10,000	D	*
Agricultural/food scientists	62,000	33,000	14,000	D	15,000
U.S. citizen	58,000	32,000	11,000	D	15,000
Native-born	54,000	29,000	11,000	D	15,000
Naturalized	4,000	3,000	*	D	*
Non-U.S. citizen	4,000	1,000	2,000	D	D
Permanent resident	3,000	1,000	S	D	D
Temporary resident	1,000	*	1,000	D	D
Biological/medical scientists	331,000	143,000	116,000	*	71,000
U.S. citizen	288,000	126,000	93,000	*	69,000
Native-born	233,000	96,000	77,000	*	60,000
Naturalized	55,000	30,000	16,000	D	9,000
Non-U.S. citizen	43,000	17,000	23,000	D	2,000
Permanent resident	30,000	13,000	15,000	D	2,000
Temporary resident	13,000	4,000	8,000	D	*
Environmental life scientists	35,000	8,000	2,000	D	24,000
U.S. citizen	33,000	7,000	1,000	D	24,000
Native-born	31,000	7,000	1,000	D	23,000
Naturalized	S	D	D	D	S
Non-U.S. citizen	S	S	S	D	D
Permanent resident	S	D	D	D	D
Temporary resident	D	D	D	D	D

TABLE 9. Employed U.S. scientists and engineers, by level of highest degree, occupation, citizenship status, and employment sector: 2008

Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment: Business/ industry	4-year college/ university	Other educational institution	Government
Postsecondary teachers-life/related sciences	70,000	*	55,000	13,000	S
U.S. citizen	65,000	*	50,000	13,000	S
Native-born	56,000	*	43,000	12,000	S
Naturalized	9,000	D	8,000	1,000	D
Non-U.S. citizen	5,000	D	5,000	*	D
Permanent resident	4,000	D	4,000	*	D
Temporary resident	1,000	D	1,000	D	D
Computer/mathematical scientists	1,970,000	1,587,000	159,000	55,000	170,000
U.S. citizen	1,773,000	1,418,000	137,000	54,000	164,000
Native-born	1,436,000	1,133,000	117,000	47,000	140,000
Naturalized	337,000	286,000	20,000	7,000	25,000
Non-U.S. citizen	196,000	168,000	22,000	1,000	6,000
Permanent resident	127,000	112,000	10,000	1,000	4,000
Temporary resident	69,000	56,000	12,000	D	1,000
Computer/information scientists	1,778,000	1,520,000	90,000	28,000	141,000
U.S. citizen	1,604,000	1,360,000	81,000	27,000	136,000
Native-born	1,293,000	1,085,000	71,000	24,000	113,000
Naturalized	311,000	275,000	10,000	4,000	23,000
Non-U.S. citizen	175,000	160,000	9,000	D	5,000
Permanent resident	117,000	108,000	4,000	D	4,000
Temporary resident	58,000	52,000	5,000	D	1,000
Mathematical scientists	107,000	66,000	12,000	1,000	28,000
U.S. citizen	96,000	58,000	10,000	S	27,000
Native-born	82,000	48,000	8,000	D	25,000
Naturalized	15,000	11,000	2,000	D	2,000
Non-U.S. citizen	11,000	8,000	3,000	D	1,000
Permanent resident	5,000	4,000	1,000	D	D
Temporary resident	6,000	4,000	2,000	D	D
Postsecondary teachers-computer/mathematical sciences	84,000	1,000	57,000	26,000	S
U.S. citizen	73,000	1,000	47,000	25,000	S
Native-born	62,000	S	38,000	22,000	S
Naturalized	11,000	D	9,000	3,000	D
Non-U.S. citizen	11,000	D	10,000	1,000	D
Permanent resident	6,000	D	5,000	*	D
Temporary resident	5,000	D	5,000	D	D
Physical/related scientists	322,000	173,000	80,000	8,000	61,000
U.S. citizen	293,000	159,000	66,000	8,000	60,000
Native-born	252,000	133,000	57,000	7,000	55,000
Naturalized	40,000	26,000	9,000	S	5,000
Non-U.S. citizen	29,000	14,000	14,000	*	1,000
Permanent resident	19,000	11,000	7,000	D	1,000
Temporary resident	10,000	3,000	7,000	D	*
Chemists, except biochemists	129,000	100,000	13,000	D	16,000
U.S. citizen	116,000	90,000	10,000	D	16,000
Native-born	90,000	69,000	8,000	D	14,000
Naturalized	25,000	21,000	2,000	D	2,000
Non-U.S. citizen	13,000	10,000	3,000	D	*
Permanent resident	10,000	8,000	1,000	D	D
Temporary resident	3,000	1,000	2,000	D	D

TABLE 9. Employed U.S. scientists and engineers, by level of highest degree, occupation, citizenship status, and employment sector: 2008

Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment: Business/ industry	4-year college/ university	Other educational institution	Government
Earth/atmospheric/ocean scientists	78,000	44,000	10,000	D	24,000
U.S. citizen	74,000	43,000	8,000	D	23,000
Native-born	70,000	40,000	7,000	D	22,000
Naturalized	4,000	2,000	1,000	D	1,000
Non-U.S. citizen	4,000	2,000	2,000	D	*
Permanent resident	2,000	1,000	1,000	D	*
Temporary resident	2,000	1,000	1,000	D	D
Physicists/astronomers	27,000	11,000	11,000	D	5,000
U.S. citizen	22,000	10,000	7,000	D	5,000
Native-born	19,000	8,000	6,000	D	4,000
Naturalized	3,000	2,000	1,000	D	1,000
Non-U.S. citizen	5,000	2,000	3,000	D	*
Permanent resident	2,000	1,000	1,000	D	*
Temporary resident	3,000	*	3,000	D	*
Postsecondary teachers-physical/related sciences	54,000	S	45,000	8,000	D
U.S. citizen	48,000	S	39,000	8,000	D
Native-born	42,000	D	34,000	7,000	D
Naturalized	6,000	D	6,000	S	D
Non-U.S. citizen	6,000	D	6,000	*	D
Permanent resident	4,000	D	4,000	D	D
Temporary resident	2,000	D	2,000	D	D
Other physical/related scientists	35,000	17,000	2,000	D	16,000
U.S. citizen	33,000	16,000	1,000	D	16,000
Native-born	32,000	15,000	1,000	D	15,000
Naturalized	2,000	1,000	D	D	S
Non-U.S. citizen	1,000	1,000	1,000	D	D
Permanent resident	1,000	*	D	D	D
Temporary resident	1,000	*	*	D	D
Social/related scientists	502,000	213,000	148,000	69,000	73,000
U.S. citizen	477,000	204,000	133,000	68,000	72,000
Native-born	441,000	188,000	120,000	64,000	69,000
Naturalized	36,000	16,000	13,000	4,000	3,000
Non-U.S. citizen	26,000	9,000	15,000	1,000	1,000
Permanent resident	13,000	6,000	6,000	S	S
Temporary resident	12,000	3,000	9,000	D	*
Economists	29,000	14,000	5,000	D	10,000
U.S. citizen	26,000	12,000	4,000	D	10,000
Native-born	23,000	10,000	3,000	D	10,000
Naturalized	2,000	1,000	1,000	D	*
Non-U.S. citizen	4,000	2,000	1,000	D	*
Permanent resident	1,000	1,000	*	D	*
Temporary resident	3,000	1,000	1,000	D	D
Political/related scientists	17,000	8,000	4,000	D	5,000
U.S. citizen	16,000	8,000	3,000	D	5,000
Native-born	15,000	7,000	3,000	D	5,000
Naturalized	S	D	D	D	D
Non-U.S. citizen	1,000	S	1,000	D	D
Permanent resident	*	D	*	D	D
Temporary resident	1,000	D	S	D	D

TABLE 9. Employed U.S. scientists and engineers, by level of highest degree, occupation, citizenship status, and employment sector: 2008

Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment: Business/ industry	4-year college/ university	Other educational institution	Government
Postsecondary teachers-social/related sciences	116,000	1,000	95,000	20,000	*
U.S. citizen	106,000	1,000	86,000	19,000	*
Native-born	98,000	1,000	78,000	19,000	*
Naturalized	8,000	D	7,000	*	D
Non-U.S. citizen	10,000	D	9,000	*	D
Permanent resident	4,000	D	4,000	*	D
Temporary resident	5,000	D	5,000	D	D
Psychologists	185,000	90,000	27,000	48,000	21,000
U.S. citizen	180,000	88,000	25,000	47,000	21,000
Native-born	166,000	81,000	21,000	44,000	20,000
Naturalized	14,000	6,000	4,000	3,000	1,000
Non-U.S. citizen	5,000	2,000	2,000	D	D
Permanent resident	3,000	2,000	S	D	D
Temporary resident	1,000	D	1,000	D	D
Sociologists/anthropologists	21,000	10,000	6,000	1,000	4,000
U.S. citizen	20,000	9,000	6,000	1,000	4,000
Native-born	19,000	9,000	6,000	1,000	4,000
Naturalized	1,000	S	*	D	*
Non-U.S. citizen	1,000	*	*	D	D
Permanent resident	*	D	*	D	D
Temporary resident	1,000	D	*	D	D
Other social/related scientists	134,000	90,000	11,000	1,000	32,000
U.S. citizen	129,000	87,000	9,000	1,000	32,000
Native-born	120,000	80,000	9,000	1,000	30,000
Naturalized	9,000	7,000	*	D	2,000
Non-U.S. citizen	5,000	4,000	1,000	D	D
Permanent resident	4,000	3,000	S	D	D
Temporary resident	2,000	1,000	1,000	D	D
Engineering occupations	1,582,000	1,298,000	74,000	5,000	206,000
U.S. citizen	1,465,000	1,201,000	57,000	5,000	202,000
Native-born	1,228,000	1,013,000	45,000	4,000	165,000
Naturalized	237,000	188,000	11,000	1,000	37,000
Non-U.S. citizen	117,000	97,000	17,000	D	4,000
Permanent resident	66,000	56,000	6,000	D	3,000
Temporary resident	52,000	40,000	11,000	D	1,000
Aerospace/aeronautical/astronautical engineers	100,000	80,000	2,000	D	18,000
U.S. citizen	97,000	78,000	1,000	D	18,000
Native-born	85,000	67,000	1,000	D	16,000
Naturalized	13,000	11,000	*	D	2,000
Non-U.S. citizen	3,000	2,000	1,000	D	D
Permanent resident	2,000	2,000	*	D	D
Temporary resident	1,000	*	1,000	D	D
Chemical engineers	77,000	70,000	4,000	D	3,000
U.S. citizen	72,000	65,000	3,000	D	3,000
Native-born	60,000	54,000	3,000	D	2,000
Naturalized	12,000	11,000	*	D	S
Non-U.S. citizen	5,000	5,000	1,000	D	D
Permanent resident	4,000	4,000	*	D	D
Temporary resident	2,000	1,000	*	D	D

TABLE 9. Employed U.S. scientists and engineers, by level of highest degree, occupation, citizenship status, and employment sector: 2008

Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment: Business/ industry	4-year college/ university	Other educational institution	Government
Civil/architectural/sanitary engineers	258,000	173,000	3,000	D	81,000
U.S. citizen	246,000	164,000	3,000	D	79,000
Native-born	207,000	144,000	2,000	D	61,000
Naturalized	39,000	21,000	*	D	18,000
Non-U.S. citizen	11,000	9,000	1,000	D	2,000
Permanent resident	6,000	5,000	D	D	1,000
Temporary resident	5,000	4,000	1,000	D	*
Electrical/computer hardware engineers	399,000	352,000	9,000	1,000	37,000
U.S. citizen	355,000	311,000	7,000	1,000	36,000
Native-born	268,000	234,000	5,000	D	28,000
Naturalized	87,000	77,000	1,000	D	8,000
Non-U.S. citizen	44,000	41,000	2,000	D	D
Permanent resident	25,000	24,000	1,000	D	D
Temporary resident	19,000	17,000	2,000	D	D
Industrial engineers	93,000	89,000	1,000	D	4,000
U.S. citizen	86,000	82,000	1,000	D	4,000
Native-born	72,000	68,000	1,000	D	4,000
Naturalized	14,000	14,000	D	D	D
Non-U.S. citizen	7,000	7,000	*	D	D
Permanent resident	3,000	3,000	D	D	D
Temporary resident	4,000	4,000	*	D	D
Mechanical engineers	300,000	272,000	8,000	D	20,000
U.S. citizen	282,000	256,000	6,000	D	20,000
Native-born	246,000	224,000	6,000	D	17,000
Naturalized	36,000	32,000	1,000	D	3,000
Non-U.S. citizen	18,000	16,000	2,000	D	*
Permanent resident	10,000	10,000	D	D	D
Temporary resident	8,000	6,000	2,000	D	*
Postsecondary teachers-engineering	35,000	D	31,000	3,000	*
U.S. citizen	28,000	D	24,000	3,000	*
Native-born	21,000	D	17,000	3,000	*
Naturalized	7,000	D	7,000	D	D
Non-U.S. citizen	7,000	D	7,000	D	D
Permanent resident	4,000	D	4,000	D	D
Temporary resident	3,000	D	3,000	D	D
Other engineers	320,000	262,000	15,000	D	43,000
U.S. citizen	299,000	245,000	12,000	D	42,000
Native-born	269,000	222,000	10,000	D	37,000
Naturalized	30,000	23,000	1,000	D	5,000
Non-U.S. citizen	21,000	17,000	3,000	D	1,000
Permanent resident	11,000	9,000	1,000	D	1,000
Temporary resident	10,000	8,000	2,000	D	*
S&E-related occupations	5,542,000	3,856,000	394,000	769,000	522,000
U.S. citizen	5,389,000	3,741,000	376,000	758,000	514,000
Native-born	4,682,000	3,203,000	321,000	713,000	446,000
Naturalized	707,000	538,000	56,000	45,000	68,000
Non-U.S. citizen	153,000	115,000	18,000	12,000	8,000
Permanent resident	124,000	95,000	12,000	11,000	7,000
Temporary resident	29,000	21,000	6,000	S	D

TABLE 9. Employed U.S. scientists and engineers, by level of highest degree, occupation, citizenship status, and employment sector: 2008

Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment: Business/ industry	4-year college/ university	Other educational institution	Government
Health occupations	3,780,000	2,914,000	343,000	164,000	359,000
U.S. citizen	3,690,000	2,847,000	329,000	161,000	353,000
Native-born	3,176,000	2,440,000	281,000	154,000	301,000
Naturalized	514,000	407,000	48,000	7,000	52,000
Non-U.S. citizen	90,000	67,000	14,000	S	6,000
Permanent resident	76,000	58,000	9,000	S	6,000
Temporary resident	14,000	9,000	5,000	D	D
S&E managers, including health	501,000	393,000	21,000	5,000	83,000
U.S. citizen	484,000	377,000	19,000	5,000	83,000
Native-born	425,000	328,000	17,000	4,000	77,000
Naturalized	59,000	49,000	3,000	D	7,000
Non-U.S. citizen	18,000	16,000	1,000	D	D
Permanent resident	16,000	15,000	1,000	D	D
Temporary resident	2,000	2,000	D	D	D
S&E precollege teachers	599,000	S	1,000	594,000	S
U.S. citizen	590,000	S	1,000	585,000	S
Native-born	555,000	S	1,000	549,000	S
Naturalized	36,000	D	D	36,000	D
Non-U.S. citizen	9,000	D	D	9,000	D
Permanent resident	8,000	D	D	8,000	D
Temporary resident	S	D	D	S	D
S&E technicians/technologists	446,000	351,000	27,000	6,000	61,000
U.S. citizen	421,000	330,000	25,000	6,000	60,000
Native-born	352,000	275,000	19,000	5,000	53,000
Naturalized	68,000	55,000	5,000	D	7,000
Non-U.S. citizen	25,000	21,000	3,000	D	S
Permanent resident	16,000	14,000	1,000	D	S
Temporary resident	9,000	8,000	2,000	D	D
Other S&E-related occupations	216,000	197,000	3,000	D	15,000
U.S. citizen	204,000	186,000	S	D	15,000
Native-born	175,000	159,000	D	D	12,000
Naturalized	30,000	27,000	D	D	2,000
Non-U.S. citizen	11,000	11,000	D	D	D
Permanent resident	9,000	9,000	D	D	D
Temporary resident	3,000	3,000	D	D	D
Non-S&E occupations	8,828,000	6,122,000	401,000	1,096,000	1,209,000
U.S. citizen	8,582,000	5,929,000	383,000	1,077,000	1,194,000
Native-born	7,764,000	5,322,000	345,000	997,000	1,100,000
Naturalized	819,000	607,000	38,000	80,000	94,000
Non-U.S. citizen	246,000	193,000	18,000	19,000	15,000
Permanent resident	209,000	164,000	12,000	19,000	15,000
Temporary resident	37,000	30,000	7,000	1,000	D
Arts/humanities/related occupations	295,000	241,000	20,000	11,000	22,000
U.S. citizen	283,000	231,000	20,000	11,000	22,000
Native-born	262,000	214,000	19,000	10,000	20,000
Naturalized	21,000	17,000	S	D	2,000
Non-U.S. citizen	11,000	10,000	*	D	D
Permanent resident	10,000	8,000	D	D	D
Temporary resident	2,000	S	D	D	D

TABLE 9. Employed U.S. scientists and engineers, by level of highest degree, occupation, citizenship status, and employment sector: 2008

Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment: Business/ industry	4-year college/ university	Other educational institution	Government
Management-related occupations	1,309,000	1,036,000	51,000	22,000	199,000
U.S. citizen	1,258,000	988,000	50,000	22,000	198,000
Native-born	1,101,000	855,000	41,000	21,000	183,000
Naturalized	156,000	133,000	9,000	S	14,000
Non-U.S. citizen	52,000	49,000	1,000	D	2,000
Permanent resident	40,000	37,000	S	D	S
Temporary resident	12,000	12,000	D	D	D
Non-S&E managers	1,261,000	941,000	63,000	108,000	148,000
U.S. citizen	1,224,000	907,000	62,000	108,000	146,000
Native-born	1,110,000	812,000	55,000	105,000	138,000
Naturalized	114,000	95,000	7,000	3,000	8,000
Non-U.S. citizen	37,000	34,000	1,000	D	D
Permanent resident	33,000	30,000	1,000	D	D
Temporary resident	4,000	4,000	D	D	D
Non-S&E postsecondary teachers	157,000	11,000	115,000	30,000	2,000
U.S. citizen	148,000	10,000	106,000	29,000	2,000
Native-born	134,000	9,000	96,000	27,000	2,000
Naturalized	14,000	D	10,000	3,000	D
Non-U.S. citizen	9,000	D	8,000	D	D
Permanent resident	6,000	D	6,000	D	D
Temporary resident	3,000	D	3,000	D	D
Non-S&E precollege/other teachers	745,000	27,000	2,000	708,000	9,000
U.S. citizen	728,000	26,000	2,000	692,000	8,000
Native-born	671,000	23,000	2,000	639,000	7,000
Naturalized	56,000	3,000	D	53,000	D
Non-U.S. citizen	17,000	D	D	16,000	D
Permanent resident	17,000	D	D	15,000	D
Temporary resident	*	D	D	*	D
Sales/marketing occupations	1,357,000	1,338,000	8,000	5,000	6,000
U.S. citizen	1,320,000	1,301,000	8,000	5,000	6,000
Native-born	1,194,000	1,177,000	8,000	5,000	4,000
Naturalized	125,000	123,000	D	D	D
Non-U.S. citizen	38,000	38,000	D	D	D
Permanent resident	34,000	34,000	D	D	D
Temporary resident	4,000	4,000	D	D	D
Social services/related occupations	725,000	392,000	37,000	119,000	177,000
U.S. citizen	715,000	384,000	37,000	119,000	175,000
Native-born	663,000	359,000	33,000	109,000	162,000
Naturalized	52,000	25,000	4,000	10,000	13,000
Non-U.S. citizen	10,000	7,000	1,000	D	S
Permanent resident	9,000	7,000	D	D	S
Temporary resident	1,000	D	D	D	D
Other non-S&E occupations	2,979,000	2,136,000	105,000	93,000	645,000
U.S. citizen	2,908,000	2,081,000	98,000	91,000	637,000
Native-born	2,628,000	1,873,000	91,000	81,000	583,000
Naturalized	280,000	208,000	7,000	10,000	54,000
Non-U.S. citizen	71,000	55,000	7,000	S	8,000
Permanent resident	61,000	46,000	4,000	S	8,000
Temporary resident	11,000	8,000	2,000	D	D

TABLE 9. Employed U.S. scientists and engineers, by level of highest degree, occupation, citizenship status, and employment sector: 2008

Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment: Business/ industry	4-year college/ university	Other educational institution	Government
Bachelor's degrees, all occupations	10,745,000	8,095,000	508,000	795,000	1,347,000
U.S. citizen	10,446,000	7,853,000	483,000	777,000	1,333,000
Native-born	9,314,000	6,969,000	429,000	714,000	1,201,000
Naturalized	1,132,000	884,000	54,000	63,000	131,000
Non-U.S. citizen	299,000	242,000	25,000	18,000	15,000
Permanent resident	250,000	204,000	15,000	16,000	14,000
Temporary resident	49,000	37,000	10,000	D	*
S&E occupations	2,720,000	2,115,000	201,000	38,000	365,000
U.S. citizen	2,613,000	2,027,000	186,000	38,000	362,000
Native-born	2,288,000	1,760,000	172,000	35,000	322,000
Naturalized	325,000	267,000	15,000	4,000	40,000
Non-U.S. citizen	106,000	88,000	15,000	D	3,000
Permanent resident	80,000	70,000	7,000	D	3,000
Temporary resident	26,000	18,000	7,000	D	*
Science occupations	1,726,000	1,286,000	178,000	36,000	226,000
U.S. citizen	1,652,000	1,227,000	165,000	36,000	224,000
Native-born	1,439,000	1,051,000	152,000	33,000	204,000
Naturalized	213,000	176,000	13,000	3,000	21,000
Non-U.S. citizen	74,000	59,000	13,000	D	2,000
Permanent resident	56,000	48,000	6,000	D	1,000
Temporary resident	17,000	11,000	7,000	D	D
Biological/agricultural/other life scientists	198,000	80,000	58,000	S	57,000
U.S. citizen	189,000	76,000	53,000	S	57,000
Native-born	172,000	67,000	49,000	S	54,000
Naturalized	17,000	9,000	4,000	D	3,000
Non-U.S. citizen	9,000	3,000	5,000	D	D
Permanent resident	6,000	3,000	4,000	D	D
Temporary resident	2,000	D	2,000	D	D
Agricultural/food scientists	36,000	20,000	5,000	D	11,000
U.S. citizen	35,000	20,000	4,000	D	11,000
Native-born	34,000	19,000	4,000	D	11,000
Naturalized	D	D	D	D	D
Non-U.S. citizen	D	D	D	D	D
Permanent resident	D	D	D	D	D
Temporary resident	D	D	D	D	D
Biological/medical scientists	125,000	54,000	41,000	D	30,000
U.S. citizen	119,000	52,000	37,000	D	30,000
Native-born	104,000	43,000	34,000	D	27,000
Naturalized	15,000	9,000	3,000	D	3,000
Non-U.S. citizen	6,000	2,000	4,000	D	D
Permanent resident	4,000	2,000	2,000	D	D
Temporary resident	2,000	D	2,000	D	D
Environmental life scientists	22,000	6,000	D	D	16,000
U.S. citizen	21,000	5,000	D	D	16,000
Native-born	20,000	5,000	D	D	16,000
Naturalized	D	D	D	D	D
Non-U.S. citizen	D	D	D	D	D
Permanent resident	D	D	D	D	D
Temporary resident	D	D	D	D	D

TABLE 9. Employed U.S. scientists and engineers, by level of highest degree, occupation, citizenship status, and employment sector: 2008

Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment: Business/ industry	4-year college/ university	Other educational institution	Government
Postsecondary teachers-life/related sciences	15,000	D	12,000	S	D
U.S. citizen	15,000	D	12,000	S	D
Native-born	14,000	D	11,000	S	D
Naturalized	D	D	D	D	D
Non-U.S. citizen	D	D	D	D	D
Permanent resident	D	D	D	D	D
Temporary resident	D	D	D	D	D
Computer/mathematical scientists	1,261,000	1,054,000	67,000	25,000	115,000
U.S. citizen	1,203,000	1,002,000	64,000	25,000	113,000
Native-born	1,030,000	851,000	59,000	22,000	98,000
Naturalized	174,000	151,000	5,000	3,000	15,000
Non-U.S. citizen	58,000	52,000	4,000	D	2,000
Permanent resident	46,000	43,000	S	D	1,000
Temporary resident	12,000	10,000	2,000	D	D
Computer/information scientists	1,206,000	1,028,000	55,000	20,000	102,000
U.S. citizen	1,150,000	976,000	53,000	20,000	100,000
Native-born	981,000	828,000	50,000	18,000	86,000
Naturalized	169,000	148,000	3,000	3,000	14,000
Non-U.S. citizen	55,000	52,000	1,000	D	2,000
Permanent resident	45,000	43,000	D	D	1,000
Temporary resident	10,000	9,000	D	D	D
Mathematical scientists	41,000	26,000	3,000	D	12,000
U.S. citizen	40,000	26,000	2,000	D	12,000
Native-born	36,000	23,000	2,000	D	12,000
Naturalized	3,000	3,000	D	D	D
Non-U.S. citizen	D	D	D	D	D
Permanent resident	D	D	D	D	D
Temporary resident	D	D	D	D	D
Postsecondary teachers-computer/mathematical sciences	15,000	D	10,000	4,000	D
U.S. citizen	13,000	D	8,000	4,000	D
Native-born	12,000	D	7,000	4,000	D
Naturalized	1,000	D	1,000	D	D
Non-U.S. citizen	2,000	D	2,000	D	D
Permanent resident	D	D	D	D	D
Temporary resident	2,000	D	2,000	D	D
Physical/related scientists	144,000	89,000	21,000	D	34,000
U.S. citizen	141,000	86,000	19,000	D	34,000
Native-born	127,000	75,000	18,000	D	33,000
Naturalized	14,000	11,000	1,000	D	1,000
Non-U.S. citizen	4,000	2,000	1,000	D	D
Permanent resident	3,000	2,000	*	D	D
Temporary resident	1,000	D	1,000	D	D
Chemists, except biochemists	74,000	58,000	6,000	D	10,000
U.S. citizen	71,000	56,000	5,000	D	10,000
Native-born	60,000	46,000	5,000	D	9,000
Naturalized	12,000	10,000	D	D	1,000
Non-U.S. citizen	2,000	2,000	1,000	D	D
Permanent resident	2,000	S	D	D	D
Temporary resident	1,000	D	1,000	D	D

TABLE 9. Employed U.S. scientists and engineers, by level of highest degree, occupation, citizenship status, and employment sector: 2008

Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment: Business/ industry	4-year college/ university	Other educational institution	Government
Earth/atmospheric/ocean scientists	36,000	21,000	3,000	D	12,000
U.S. citizen	35,000	21,000	3,000	D	12,000
Native-born	34,000	20,000	2,000	D	12,000
Naturalized	1,000	1,000	D	D	D
Non-U.S. citizen	*	*	D	D	D
Permanent resident	*	*	D	D	D
Temporary resident	D	D	D	D	D
Physicists/astronomers	5,000	1,000	3,000	D	1,000
U.S. citizen	4,000	1,000	2,000	D	1,000
Native-born	4,000	1,000	2,000	D	1,000
Naturalized	D	D	D	D	D
Non-U.S. citizen	1,000	D	*	D	D
Permanent resident	D	D	D	D	D
Temporary resident	*	D	*	D	D
Postsecondary teachers-physical/related sciences	9,000	D	9,000	D	D
U.S. citizen	9,000	D	9,000	D	D
Native-born	9,000	D	8,000	D	D
Naturalized	*	D	*	D	D
Non-U.S. citizen	*	D	*	D	D
Permanent resident	D	D	D	D	D
Temporary resident	*	D	*	D	D
Other physical/related scientists	21,000	9,000	D	D	11,000
U.S. citizen	21,000	9,000	D	D	11,000
Native-born	20,000	9,000	D	D	11,000
Naturalized	D	D	D	D	D
Non-U.S. citizen	D	D	D	D	D
Permanent resident	D	D	D	D	D
Temporary resident	D	D	D	D	D
Social/related scientists	122,000	63,000	32,000	8,000	20,000
U.S. citizen	119,000	63,000	29,000	8,000	20,000
Native-born	111,000	58,000	27,000	7,000	19,000
Naturalized	9,000	4,000	2,000	D	1,000
Non-U.S. citizen	3,000	D	2,000	D	D
Permanent resident	2,000	D	D	D	D
Temporary resident	1,000	D	1,000	D	D
Economists	6,000	2,000	S	D	3,000
U.S. citizen	6,000	2,000	S	D	3,000
Native-born	6,000	2,000	D	D	3,000
Naturalized	D	D	D	D	D
Non-U.S. citizen	D	D	D	D	D
Permanent resident	D	D	D	D	D
Temporary resident	D	D	D	D	D
Political/related scientists	6,000	S	2,000	D	S
U.S. citizen	5,000	S	1,000	D	S
Native-born	4,000	D	1,000	D	S
Naturalized	D	D	D	D	D
Non-U.S. citizen	D	D	D	D	D
Permanent resident	D	D	D	D	D
Temporary resident	D	D	D	D	D

TABLE 9. Employed U.S. scientists and engineers, by level of highest degree, occupation, citizenship status, and employment sector: 2008

Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment: Business/ industry	4-year college/ university	Other educational institution	Government
Postsecondary teachers-social/related sciences	16,000	D	12,000	3,000	D
U.S. citizen	14,000	D	11,000	3,000	D
Native-born	14,000	D	11,000	3,000	D
Naturalized	D	D	D	D	D
Non-U.S. citizen	1,000	D	1,000	D	D
Permanent resident	D	D	D	D	D
Temporary resident	D	D	D	D	D
Psychologists	19,000	5,000	9,000	4,000	D
U.S. citizen	19,000	5,000	9,000	4,000	D
Native-born	16,000	5,000	7,000	3,000	D
Naturalized	3,000	D	2,000	D	D
Non-U.S. citizen	D	D	D	D	D
Permanent resident	D	D	D	D	D
Temporary resident	D	D	D	D	D
Sociologists/anthropologists	7,000	4,000	2,000	D	D
U.S. citizen	7,000	4,000	2,000	D	D
Native-born	6,000	3,000	2,000	D	D
Naturalized	D	D	D	D	D
Non-U.S. citizen	D	D	D	D	D
Permanent resident	D	D	D	D	D
Temporary resident	D	D	D	D	D
Other social/related scientists	69,000	49,000	5,000	D	14,000
U.S. citizen	68,000	49,000	5,000	D	14,000
Native-born	64,000	46,000	5,000	D	13,000
Naturalized	4,000	3,000	D	D	D
Non-U.S. citizen	1,000	D	D	D	D
Permanent resident	1,000	D	D	D	D
Temporary resident	D	D	D	D	D
Engineering occupations	994,000	829,000	23,000	3,000	139,000
U.S. citizen	961,000	800,000	21,000	3,000	137,000
Native-born	849,000	710,000	19,000	2,000	118,000
Naturalized	112,000	90,000	2,000	D	19,000
Non-U.S. citizen	33,000	29,000	2,000	D	2,000
Permanent resident	24,000	21,000	S	D	1,000
Temporary resident	9,000	8,000	1,000	D	D
Aerospace/aeronautical/astronautical engineers	57,000	47,000	1,000	D	9,000
U.S. citizen	56,000	46,000	1,000	D	9,000
Native-born	51,000	42,000	1,000	D	8,000
Naturalized	5,000	5,000	D	D	*
Non-U.S. citizen	1,000	1,000	D	D	D
Permanent resident	1,000	1,000	D	D	D
Temporary resident	D	D	D	D	D
Chemical engineers	45,000	40,000	S	D	2,000
U.S. citizen	44,000	39,000	S	D	2,000
Native-born	40,000	35,000	S	D	2,000
Naturalized	5,000	4,000	D	D	D
Non-U.S. citizen	1,000	1,000	D	D	D
Permanent resident	1,000	S	D	D	D
Temporary resident	*	D	D	D	D

TABLE 9. Employed U.S. scientists and engineers, by level of highest degree, occupation, citizenship status, and employment sector: 2008

Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment: Business/ industry	4-year college/ university	Other educational institution	Government
Civil/architectural/sanitary engineers	176,000	114,000	1,000	D	61,000
U.S. citizen	173,000	113,000	1,000	D	60,000
Native-born	152,000	102,000	1,000	D	50,000
Naturalized	21,000	11,000	D	D	10,000
Non-U.S. citizen	3,000	2,000	D	D	1,000
Permanent resident	2,000	1,000	D	D	D
Temporary resident	1,000	1,000	D	D	D
Electrical/computer hardware engineers	240,000	212,000	3,000	D	25,000
U.S. citizen	227,000	199,000	3,000	D	25,000
Native-born	186,000	164,000	2,000	D	19,000
Naturalized	41,000	35,000	D	D	5,000
Non-U.S. citizen	13,000	13,000	D	D	D
Permanent resident	11,000	10,000	D	D	D
Temporary resident	3,000	3,000	D	D	D
Industrial engineers	68,000	65,000	D	D	3,000
U.S. citizen	64,000	61,000	D	D	3,000
Native-born	54,000	51,000	D	D	3,000
Naturalized	11,000	11,000	D	D	D
Non-U.S. citizen	4,000	4,000	D	D	D
Permanent resident	2,000	2,000	D	D	D
Temporary resident	S	S	D	D	D
Mechanical engineers	198,000	180,000	5,000	D	13,000
U.S. citizen	192,000	175,000	4,000	D	13,000
Native-born	176,000	160,000	4,000	D	12,000
Naturalized	17,000	15,000	D	D	1,000
Non-U.S. citizen	6,000	5,000	*	D	D
Permanent resident	4,000	4,000	D	D	D
Temporary resident	2,000	1,000	D	D	D
Postsecondary teachers-engineering	6,000	D	4,000	1,000	D
U.S. citizen	6,000	D	4,000	1,000	D
Native-born	5,000	D	3,000	1,000	D
Naturalized	S	D	D	D	D
Non-U.S. citizen	*	D	*	D	D
Permanent resident	D	D	D	D	D
Temporary resident	D	D	D	D	D
Other engineers	204,000	170,000	7,000	D	26,000
U.S. citizen	199,000	166,000	6,000	D	26,000
Native-born	186,000	156,000	6,000	D	24,000
Naturalized	12,000	10,000	*	D	2,000
Non-U.S. citizen	5,000	4,000	D	D	D
Permanent resident	4,000	3,000	D	D	D
Temporary resident	S	S	D	D	D
S&E-related occupations	2,910,000	2,125,000	156,000	319,000	311,000
U.S. citizen	2,843,000	2,071,000	152,000	311,000	309,000
Native-born	2,509,000	1,818,000	127,000	292,000	272,000
Naturalized	334,000	254,000	25,000	19,000	36,000
Non-U.S. citizen	68,000	53,000	4,000	8,000	S
Permanent resident	59,000	47,000	3,000	6,000	S
Temporary resident	9,000	7,000	S	D	D

TABLE 9. Employed U.S. scientists and engineers, by level of highest degree, occupation, citizenship status, and employment sector: 2008

Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment: Business/ industry	4-year college/ university	Other educational institution	Government
Health occupations	1,899,000	1,488,000	127,000	70,000	213,000
U.S. citizen	1,860,000	1,458,000	124,000	67,000	212,000
Native-born	1,628,000	1,275,000	103,000	64,000	185,000
Naturalized	232,000	182,000	20,000	D	26,000
Non-U.S. citizen	38,000	31,000	3,000	D	D
Permanent resident	36,000	29,000	S	D	D
Temporary resident	3,000	S	D	D	D
S&E managers, including health	265,000	221,000	6,000	S	36,000
U.S. citizen	259,000	215,000	6,000	S	35,000
Native-born	236,000	196,000	5,000	S	33,000
Naturalized	24,000	19,000	D	D	3,000
Non-U.S. citizen	6,000	6,000	D	D	D
Permanent resident	6,000	6,000	D	D	D
Temporary resident	D	D	D	D	D
S&E precollege teachers	244,000	D	D	241,000	D
U.S. citizen	239,000	D	D	236,000	D
Native-born	225,000	D	D	222,000	D
Naturalized	14,000	D	D	14,000	D
Non-U.S. citizen	5,000	D	D	5,000	D
Permanent resident	4,000	D	D	4,000	D
Temporary resident	D	D	D	D	D
S&E technicians/technologists	355,000	280,000	20,000	5,000	51,000
U.S. citizen	343,000	269,000	19,000	5,000	50,000
Native-born	298,000	233,000	16,000	4,000	45,000
Naturalized	45,000	35,000	4,000	D	5,000
Non-U.S. citizen	12,000	11,000	S	D	D
Permanent resident	9,000	8,000	D	D	D
Temporary resident	3,000	3,000	D	D	D
Other S&E-related occupations	148,000	135,000	3,000	D	9,000
U.S. citizen	142,000	130,000	D	D	9,000
Native-born	123,000	113,000	D	D	7,000
Naturalized	19,000	17,000	D	D	D
Non-U.S. citizen	6,000	6,000	D	D	D
Permanent resident	4,000	4,000	D	D	D
Temporary resident	D	D	D	D	D
Non-S&E occupations	5,115,000	3,855,000	151,000	438,000	671,000
U.S. citizen	4,990,000	3,755,000	145,000	428,000	662,000
Native-born	4,517,000	3,391,000	131,000	387,000	607,000
Naturalized	473,000	364,000	13,000	41,000	55,000
Non-U.S. citizen	125,000	100,000	6,000	10,000	9,000
Permanent resident	112,000	88,000	5,000	10,000	9,000
Temporary resident	13,000	12,000	S	D	D
Arts/humanities/related occupations	180,000	152,000	9,000	6,000	14,000
U.S. citizen	176,000	149,000	9,000	5,000	13,000
Native-born	165,000	140,000	9,000	5,000	12,000
Naturalized	11,000	9,000	D	D	D
Non-U.S. citizen	3,000	S	D	D	D
Permanent resident	3,000	D	D	D	D
Temporary resident	D	D	D	D	D

TABLE 9. Employed U.S. scientists and engineers, by level of highest degree, occupation, citizenship status, and employment sector: 2008

Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment: Business/ industry	4-year college/ university	Other educational institution	Government
Management-related occupations	766,000	616,000	31,000	9,000	111,000
U.S. citizen	746,000	596,000	30,000	9,000	111,000
Native-born	657,000	519,000	27,000	8,000	103,000
Naturalized	89,000	77,000	4,000	D	8,000
Non-U.S. citizen	21,000	20,000	D	D	D
Permanent resident	16,000	15,000	D	D	D
Temporary resident	5,000	5,000	D	D	D
Non-S&E managers	596,000	505,000	13,000	15,000	63,000
U.S. citizen	581,000	490,000	13,000	15,000	63,000
Native-born	539,000	455,000	10,000	14,000	61,000
Naturalized	42,000	35,000	3,000	D	3,000
Non-U.S. citizen	15,000	15,000	D	D	D
Permanent resident	14,000	14,000	D	D	D
Temporary resident	D	D	D	D	D
Non-S&E postsecondary teachers	27,000	3,000	18,000	5,000	D
U.S. citizen	26,000	3,000	18,000	5,000	D
Native-born	25,000	2,000	17,000	5,000	D
Naturalized	D	D	D	D	D
Non-U.S. citizen	S	D	S	D	D
Permanent resident	D	D	D	D	D
Temporary resident	D	D	D	D	D
Non-S&E precollege/other teachers	353,000	18,000	1,000	328,000	6,000
U.S. citizen	344,000	18,000	1,000	320,000	5,000
Native-born	314,000	16,000	1,000	292,000	5,000
Naturalized	30,000	D	D	29,000	D
Non-U.S. citizen	9,000	D	D	8,000	D
Permanent resident	9,000	D	D	8,000	D
Temporary resident	D	D	D	D	D
Sales/marketing occupations	1,019,000	1,007,000	3,000	5,000	4,000
U.S. citizen	998,000	987,000	3,000	5,000	4,000
Native-born	917,000	907,000	3,000	5,000	3,000
Naturalized	80,000	80,000	D	D	D
Non-U.S. citizen	21,000	21,000	D	D	D
Permanent resident	19,000	19,000	D	D	D
Temporary resident	S	S	D	D	D
Social services/related occupations	256,000	140,000	11,000	16,000	89,000
U.S. citizen	252,000	138,000	11,000	16,000	87,000
Native-born	227,000	125,000	9,000	13,000	80,000
Naturalized	25,000	13,000	D	D	7,000
Non-U.S. citizen	4,000	2,000	D	D	D
Permanent resident	4,000	2,000	D	D	D
Temporary resident	D	D	D	D	D
Other non-S&E occupations	1,918,000	1,415,000	65,000	54,000	384,000
U.S. citizen	1,866,000	1,375,000	61,000	53,000	378,000
Native-born	1,672,000	1,227,000	57,000	46,000	342,000
Naturalized	194,000	148,000	4,000	7,000	36,000
Non-U.S. citizen	52,000	40,000	4,000	D	6,000
Permanent resident	47,000	36,000	3,000	D	6,000
Temporary resident	5,000	4,000	S	D	D

TABLE 9. Employed U.S. scientists and engineers, by level of highest degree, occupation, citizenship status, and employment sector: 2008

Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment: Business/ industry	4-year college/ university	Other educational institution	Government
Master's degrees, all occupations	5,690,000	3,435,000	414,000	1,140,000	701,000
U.S. citizen	5,344,000	3,165,000	365,000	1,126,000	688,000
Native-born	4,650,000	2,647,000	328,000	1,061,000	614,000
Naturalized	694,000	518,000	37,000	65,000	74,000
Non-U.S. citizen	346,000	270,000	49,000	14,000	13,000
Permanent resident	217,000	177,000	17,000	13,000	11,000
Temporary resident	129,000	94,000	32,000	1,000	2,000
S&E occupations	1,519,000	1,067,000	167,000	91,000	194,000
U.S. citizen	1,309,000	901,000	131,000	89,000	188,000
Native-born	1,038,000	679,000	116,000	82,000	160,000
Naturalized	271,000	222,000	15,000	7,000	28,000
Non-U.S. citizen	210,000	166,000	36,000	2,000	6,000
Permanent resident	111,000	94,000	11,000	1,000	4,000
Temporary resident	99,000	72,000	25,000	S	2,000
Science occupations	1,038,000	667,000	147,000	89,000	136,000
U.S. citizen	887,000	551,000	118,000	87,000	131,000
Native-born	710,000	407,000	104,000	81,000	118,000
Naturalized	177,000	144,000	14,000	6,000	13,000
Non-U.S. citizen	152,000	116,000	29,000	2,000	5,000
Permanent resident	84,000	69,000	10,000	1,000	4,000
Temporary resident	68,000	47,000	19,000	S	1,000
Biological/agricultural/other life scientists	128,000	49,000	39,000	6,000	33,000
U.S. citizen	114,000	45,000	30,000	6,000	33,000
Native-born	98,000	34,000	27,000	6,000	31,000
Naturalized	16,000	10,000	3,000	D	2,000
Non-U.S. citizen	14,000	5,000	9,000	D	D
Permanent resident	9,000	3,000	6,000	D	D
Temporary resident	5,000	2,000	3,000	D	D
Agricultural/food scientists	15,000	8,000	6,000	D	2,000
U.S. citizen	14,000	7,000	5,000	D	2,000
Native-born	12,000	5,000	5,000	D	2,000
Naturalized	S	D	D	D	D
Non-U.S. citizen	1,000	*	S	D	D
Permanent resident	D	D	D	D	D
Temporary resident	1,000	D	*	D	D
Biological/medical scientists	86,000	39,000	23,000	D	23,000
U.S. citizen	74,000	35,000	16,000	D	23,000
Native-born	62,000	27,000	14,000	D	21,000
Naturalized	12,000	8,000	2,000	D	2,000
Non-U.S. citizen	12,000	4,000	7,000	D	D
Permanent resident	8,000	3,000	5,000	D	D
Temporary resident	4,000	1,000	2,000	D	D
Environmental life scientists	11,000	2,000	1,000	D	7,000
U.S. citizen	10,000	2,000	D	D	7,000
Native-born	10,000	2,000	D	D	7,000
Naturalized	D	D	D	D	D
Non-U.S. citizen	D	D	D	D	D
Permanent resident	D	D	D	D	D
Temporary resident	D	D	D	D	D

TABLE 9. Employed U.S. scientists and engineers, by level of highest degree, occupation, citizenship status, and employment sector: 2008

Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment: Business/ industry	4-year college/ university	Other educational institution	Government
Postsecondary teachers-life/related sciences	16,000	D	9,000	6,000	D
U.S. citizen	15,000	D	9,000	6,000	D
Native-born	14,000	D	8,000	6,000	D
Naturalized	1,000	D	1,000	D	D
Non-U.S. citizen	*	D	*	D	D
Permanent resident	D	D	D	D	D
Temporary resident	*	D	*	D	D
Computer/mathematical scientists	608,000	479,000	55,000	26,000	49,000
U.S. citizen	493,000	377,000	46,000	25,000	45,000
Native-born	353,000	257,000	38,000	22,000	37,000
Naturalized	140,000	120,000	8,000	3,000	8,000
Non-U.S. citizen	116,000	102,000	9,000	1,000	4,000
Permanent resident	66,000	60,000	3,000	1,000	3,000
Temporary resident	50,000	42,000	7,000	D	1,000
Computer/information scientists	523,000	451,000	29,000	7,000	36,000
U.S. citizen	416,000	354,000	23,000	7,000	32,000
Native-born	287,000	239,000	18,000	6,000	25,000
Naturalized	129,000	115,000	5,000	1,000	8,000
Non-U.S. citizen	107,000	97,000	6,000	D	3,000
Permanent resident	62,000	58,000	2,000	D	3,000
Temporary resident	44,000	39,000	4,000	D	1,000
Mathematical scientists	46,000	27,000	6,000	D	13,000
U.S. citizen	40,000	23,000	5,000	D	12,000
Native-born	34,000	18,000	4,000	D	12,000
Naturalized	7,000	5,000	1,000	D	1,000
Non-U.S. citizen	6,000	5,000	1,000	D	D
Permanent resident	2,000	2,000	D	D	D
Temporary resident	4,000	3,000	1,000	D	D
Postsecondary teachers-computer/mathematical sciences	39,000	D	20,000	18,000	D
U.S. citizen	36,000	D	17,000	18,000	D
Native-born	32,000	D	16,000	16,000	D
Naturalized	4,000	D	2,000	2,000	D
Non-U.S. citizen	3,000	D	3,000	*	D
Permanent resident	1,000	D	1,000	*	D
Temporary resident	2,000	D	2,000	D	D
Physical/related scientists	84,000	48,000	16,000	5,000	15,000
U.S. citizen	74,000	44,000	11,000	5,000	15,000
Native-born	65,000	37,000	10,000	4,000	13,000
Naturalized	9,000	7,000	1,000	D	1,000
Non-U.S. citizen	10,000	4,000	5,000	D	*
Permanent resident	5,000	4,000	1,000	D	D
Temporary resident	5,000	1,000	4,000	D	D
Chemists, except biochemists	26,000	21,000	2,000	D	3,000
U.S. citizen	21,000	17,000	1,000	D	2,000
Native-born	14,000	12,000	1,000	D	2,000
Naturalized	7,000	6,000	D	D	1,000
Non-U.S. citizen	5,000	4,000	1,000	D	D
Permanent resident	4,000	3,000	*	D	D
Temporary resident	1,000	*	1,000	D	D

TABLE 9. Employed U.S. scientists and engineers, by level of highest degree, occupation, citizenship status, and employment sector: 2008

Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment: Business/ industry	4-year college/ university	Other educational institution	Government
Earth/atmospheric/ocean scientists	30,000	19,000	3,000	D	8,000
U.S. citizen	29,000	18,000	2,000	D	8,000
Native-born	27,000	17,000	2,000	D	8,000
Naturalized	1,000	1,000	D	D	*
Non-U.S. citizen	2,000	1,000	1,000	D	D
Permanent resident	1,000	D	D	D	D
Temporary resident	1,000	S	*	D	D
Physicists/astronomers	6,000	2,000	3,000	D	1,000
U.S. citizen	4,000	2,000	1,000	D	1,000
Native-born	4,000	2,000	1,000	D	1,000
Naturalized	D	D	D	D	D
Non-U.S. citizen	2,000	D	2,000	D	D
Permanent resident	*	D	*	D	D
Temporary resident	2,000	D	2,000	D	D
Postsecondary teachers-physical/related sciences	12,000	D	7,000	5,000	D
U.S. citizen	11,000	D	6,000	5,000	D
Native-born	10,000	D	5,000	4,000	D
Naturalized	S	D	*	D	D
Non-U.S. citizen	1,000	D	1,000	D	D
Permanent resident	*	D	*	D	D
Temporary resident	1,000	D	1,000	D	D
Other physical/related scientists	10,000	5,000	1,000	D	4,000
U.S. citizen	9,000	5,000	1,000	D	4,000
Native-born	9,000	5,000	1,000	D	3,000
Naturalized	D	D	D	D	D
Non-U.S. citizen	D	D	D	D	D
Permanent resident	D	D	D	D	D
Temporary resident	D	D	D	D	D
Social/related scientists	218,000	91,000	37,000	52,000	39,000
U.S. citizen	206,000	86,000	31,000	51,000	38,000
Native-born	194,000	79,000	29,000	49,000	37,000
Naturalized	12,000	7,000	2,000	2,000	1,000
Non-U.S. citizen	12,000	5,000	6,000	D	S
Permanent resident	4,000	3,000	S	D	D
Temporary resident	8,000	2,000	5,000	D	D
Economists	15,000	8,000	2,000	D	5,000
U.S. citizen	13,000	6,000	S	D	5,000
Native-born	12,000	5,000	S	D	5,000
Naturalized	1,000	1,000	D	D	D
Non-U.S. citizen	2,000	1,000	1,000	D	D
Permanent resident	*	*	D	D	D
Temporary resident	1,000	S	1,000	D	D
Political/related scientists	10,000	5,000	1,000	D	3,000
U.S. citizen	9,000	5,000	S	D	3,000
Native-born	8,000	4,000	S	D	3,000
Naturalized	D	D	D	D	D
Non-U.S. citizen	1,000	D	D	D	D
Permanent resident	D	D	D	D	D
Temporary resident	S	D	D	D	D

TABLE 9. Employed U.S. scientists and engineers, by level of highest degree, occupation, citizenship status, and employment sector: 2008

Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment: Business/ industry	4-year college/ university	Other educational institution	Government
Postsecondary teachers-social/related sciences	33,000	D	21,000	11,000	D
U.S. citizen	30,000	D	18,000	11,000	D
Native-born	29,000	D	17,000	11,000	D
Naturalized	1,000	D	1,000	D	D
Non-U.S. citizen	3,000	D	3,000	D	D
Permanent resident	D	D	D	D	D
Temporary resident	3,000	D	3,000	D	D
Psychologists	95,000	37,000	8,000	40,000	11,000
U.S. citizen	93,000	36,000	7,000	39,000	11,000
Native-born	88,000	34,000	6,000	37,000	11,000
Naturalized	5,000	2,000	S	2,000	D
Non-U.S. citizen	3,000	S	1,000	D	D
Permanent resident	2,000	D	D	D	D
Temporary resident	1,000	D	D	D	D
Sociologists/anthropologists	9,000	4,000	3,000	D	2,000
U.S. citizen	9,000	4,000	3,000	D	2,000
Native-born	9,000	4,000	3,000	D	2,000
Naturalized	D	D	D	D	D
Non-U.S. citizen	*	D	D	D	D
Permanent resident	D	D	D	D	D
Temporary resident	*	D	D	D	D
Other social/related scientists	56,000	36,000	2,000	D	17,000
U.S. citizen	53,000	34,000	1,000	D	17,000
Native-born	48,000	31,000	1,000	D	16,000
Naturalized	4,000	3,000	D	D	D
Non-U.S. citizen	3,000	2,000	1,000	D	D
Permanent resident	2,000	2,000	D	D	D
Temporary resident	2,000	1,000	1,000	D	D
Engineering occupations	480,000	400,000	20,000	2,000	58,000
U.S. citizen	422,000	350,000	13,000	2,000	57,000
Native-born	328,000	273,000	12,000	1,000	42,000
Naturalized	94,000	78,000	1,000	D	15,000
Non-U.S. citizen	58,000	50,000	7,000	D	1,000
Permanent resident	27,000	25,000	1,000	D	1,000
Temporary resident	32,000	25,000	6,000	D	1,000
Aerospace/aeronautical/astronautical engineers	37,000	28,000	1,000	D	8,000
U.S. citizen	35,000	27,000	1,000	D	8,000
Native-born	30,000	23,000	1,000	D	7,000
Naturalized	5,000	4,000	D	D	S
Non-U.S. citizen	1,000	1,000	*	D	D
Permanent resident	1,000	1,000	D	D	D
Temporary resident	1,000	*	*	D	D
Chemical engineers	23,000	22,000	1,000	D	*
U.S. citizen	21,000	20,000	1,000	D	*
Native-born	16,000	15,000	1,000	D	*
Naturalized	4,000	4,000	D	D	D
Non-U.S. citizen	3,000	2,000	*	D	D
Permanent resident	2,000	2,000	D	D	D
Temporary resident	1,000	*	*	D	D

TABLE 9. Employed U.S. scientists and engineers, by level of highest degree, occupation, citizenship status, and employment sector: 2008

Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment: Business/ industry	4-year college/ university	Other educational institution	Government
Civil/architectural/sanitary engineers	76,000	55,000	1,000	D	19,000
U.S. citizen	69,000	49,000	1,000	D	19,000
Native-born	52,000	40,000	S	D	11,000
Naturalized	17,000	9,000	D	D	7,000
Non-U.S. citizen	7,000	6,000	*	D	1,000
Permanent resident	3,000	3,000	D	D	*
Temporary resident	4,000	3,000	*	D	D
Electrical/computer hardware engineers	133,000	119,000	3,000	D	10,000
U.S. citizen	110,000	98,000	2,000	D	10,000
Native-born	72,000	62,000	2,000	D	8,000
Naturalized	38,000	35,000	D	D	3,000
Non-U.S. citizen	23,000	21,000	2,000	D	D
Permanent resident	10,000	10,000	D	D	D
Temporary resident	13,000	11,000	1,000	D	D
Industrial engineers	23,000	22,000	*	D	1,000
U.S. citizen	20,000	19,000	*	D	1,000
Native-born	18,000	17,000	*	D	1,000
Naturalized	3,000	3,000	D	D	D
Non-U.S. citizen	3,000	3,000	*	D	D
Permanent resident	1,000	1,000	D	D	D
Temporary resident	2,000	2,000	*	D	D
Mechanical engineers	91,000	83,000	2,000	D	6,000
U.S. citizen	82,000	74,000	1,000	D	6,000
Native-born	66,000	60,000	1,000	D	4,000
Naturalized	16,000	14,000	D	D	1,000
Non-U.S. citizen	9,000	8,000	1,000	D	D
Permanent resident	5,000	5,000	D	D	D
Temporary resident	5,000	4,000	1,000	D	D
Postsecondary teachers-engineering	8,000	D	6,000	1,000	D
U.S. citizen	6,000	D	4,000	1,000	D
Native-born	6,000	D	4,000	1,000	D
Naturalized	*	D	D	D	D
Non-U.S. citizen	2,000	D	2,000	D	D
Permanent resident	D	D	D	D	D
Temporary resident	1,000	D	1,000	D	D
Other engineers	90,000	72,000	5,000	D	14,000
U.S. citizen	80,000	63,000	3,000	D	13,000
Native-born	69,000	55,000	3,000	D	11,000
Naturalized	11,000	8,000	*	D	3,000
Non-U.S. citizen	10,000	8,000	2,000	D	*
Permanent resident	4,000	4,000	D	D	D
Temporary resident	6,000	5,000	1,000	D	D
S&E-related occupations	1,404,000	749,000	90,000	427,000	139,000
U.S. citizen	1,365,000	720,000	85,000	423,000	137,000
Native-born	1,215,000	619,000	76,000	401,000	119,000
Naturalized	151,000	102,000	9,000	22,000	18,000
Non-U.S. citizen	39,000	28,000	5,000	4,000	1,000
Permanent resident	28,000	20,000	2,000	4,000	1,000
Temporary resident	11,000	8,000	3,000	D	D

TABLE 9. Employed U.S. scientists and engineers, by level of highest degree, occupation, citizenship status, and employment sector: 2008

Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment: Business/ industry	4-year college/ university	Other educational institution	Government
Health occupations	724,000	477,000	72,000	92,000	83,000
U.S. citizen	714,000	470,000	70,000	92,000	82,000
Native-born	640,000	419,000	64,000	89,000	69,000
Naturalized	74,000	51,000	6,000	3,000	13,000
Non-U.S. citizen	10,000	7,000	3,000	D	*
Permanent resident	7,000	5,000	S	D	*
Temporary resident	3,000	2,000	S	D	D
S&E managers, including health	194,000	143,000	10,000	2,000	39,000
U.S. citizen	186,000	135,000	9,000	2,000	39,000
Native-born	159,000	113,000	8,000	S	37,000
Naturalized	27,000	22,000	1,000	D	3,000
Non-U.S. citizen	8,000	8,000	D	D	D
Permanent resident	7,000	6,000	D	D	D
Temporary resident	1,000	1,000	D	D	D
S&E precollege teachers	334,000	D	1,000	332,000	D
U.S. citizen	330,000	D	1,000	328,000	D
Native-born	311,000	D	1,000	309,000	D
Naturalized	19,000	D	D	19,000	D
Non-U.S. citizen	4,000	D	D	4,000	D
Permanent resident	4,000	D	D	4,000	D
Temporary resident	D	D	D	D	D
S&E technicians/technologists	85,000	67,000	7,000	S	10,000
U.S. citizen	74,000	59,000	5,000	S	10,000
Native-born	53,000	41,000	3,000	S	8,000
Naturalized	21,000	18,000	1,000	D	2,000
Non-U.S. citizen	11,000	8,000	2,000	D	D
Permanent resident	5,000	4,000	D	D	D
Temporary resident	6,000	4,000	2,000	D	D
Other S&E-related occupations	67,000	61,000	D	D	6,000
U.S. citizen	61,000	55,000	D	D	6,000
Native-born	51,000	46,000	D	D	5,000
Naturalized	10,000	10,000	D	D	D
Non-U.S. citizen	5,000	5,000	D	D	D
Permanent resident	5,000	5,000	D	D	D
Temporary resident	S	S	D	D	D
Non-S&E occupations	2,768,000	1,619,000	158,000	622,000	368,000
U.S. citizen	2,670,000	1,543,000	150,000	614,000	363,000
Native-born	2,397,000	1,349,000	136,000	578,000	335,000
Naturalized	273,000	195,000	14,000	36,000	28,000
Non-U.S. citizen	98,000	76,000	8,000	8,000	5,000
Permanent resident	79,000	62,000	3,000	8,000	5,000
Temporary resident	19,000	14,000	5,000	D	D
Arts/humanities/related occupations	95,000	73,000	9,000	5,000	8,000
U.S. citizen	89,000	67,000	9,000	5,000	7,000
Native-born	80,000	60,000	9,000	5,000	6,000
Naturalized	8,000	7,000	D	D	D
Non-U.S. citizen	6,000	6,000	D	D	D
Permanent resident	5,000	4,000	D	D	D
Temporary resident	S	S	D	D	D

TABLE 9. Employed U.S. scientists and engineers, by level of highest degree, occupation, citizenship status, and employment sector: 2008

Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment: Business/ industry	4-year college/ university	Other educational institution	Government
Management-related occupations	479,000	369,000	18,000	12,000	80,000
U.S. citizen	451,000	344,000	17,000	12,000	78,000
Native-born	389,000	293,000	12,000	12,000	72,000
Naturalized	62,000	51,000	5,000	D	6,000
Non-U.S. citizen	28,000	26,000	D	D	S
Permanent resident	21,000	20,000	D	D	S
Temporary resident	6,000	6,000	D	D	D
Non-S&E managers	531,000	359,000	23,000	81,000	68,000
U.S. citizen	514,000	345,000	22,000	81,000	67,000
Native-born	458,000	296,000	21,000	79,000	63,000
Naturalized	56,000	49,000	S	2,000	4,000
Non-U.S. citizen	17,000	15,000	D	D	D
Permanent resident	14,000	12,000	D	D	D
Temporary resident	3,000	2,000	D	D	D
Non-S&E postsecondary teachers	73,000	6,000	44,000	21,000	S
U.S. citizen	68,000	6,000	40,000	21,000	S
Native-born	63,000	5,000	38,000	19,000	S
Naturalized	5,000	D	2,000	2,000	D
Non-U.S. citizen	5,000	D	4,000	D	D
Permanent resident	3,000	D	2,000	D	D
Temporary resident	2,000	D	2,000	D	D
Non-S&E precollege/other teachers	378,000	7,000	D	368,000	3,000
U.S. citizen	370,000	6,000	D	360,000	3,000
Native-born	345,000	5,000	D	337,000	2,000
Naturalized	25,000	D	D	23,000	D
Non-U.S. citizen	8,000	D	D	7,000	D
Permanent resident	8,000	D	D	7,000	D
Temporary resident	D	D	D	D	D
Sales/marketing occupations	296,000	290,000	S	D	2,000
U.S. citizen	282,000	276,000	S	D	2,000
Native-born	242,000	237,000	S	D	S
Naturalized	40,000	39,000	D	D	D
Non-U.S. citizen	14,000	14,000	D	D	D
Permanent resident	13,000	13,000	D	D	D
Temporary resident	S	S	D	D	D
Social services/related occupations	435,000	224,000	26,000	101,000	84,000
U.S. citizen	430,000	221,000	25,000	101,000	84,000
Native-born	407,000	211,000	23,000	93,000	79,000
Naturalized	24,000	10,000	2,000	7,000	5,000
Non-U.S. citizen	5,000	4,000	S	D	D
Permanent resident	4,000	3,000	D	D	D
Temporary resident	1,000	D	D	D	D
Other non-S&E occupations	481,000	290,000	34,000	35,000	122,000
U.S. citizen	466,000	279,000	32,000	34,000	121,000
Native-born	413,000	242,000	29,000	32,000	110,000
Naturalized	53,000	37,000	3,000	2,000	11,000
Non-U.S. citizen	16,000	11,000	2,000	D	S
Permanent resident	12,000	9,000	S	D	S
Temporary resident	3,000	2,000	1,000	D	D

TABLE 9. Employed U.S. scientists and engineers, by level of highest degree, occupation, citizenship status, and employment sector: 2008

Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment: Business/ industry	4-year college/ university	Other educational institution	Government
Doctoral degrees, all occupations	934,000	416,000	381,000	56,000	81,000
U.S. citizen	804,000	348,000	326,000	55,000	76,000
Native-born	629,000	255,000	265,000	49,000	60,000
Naturalized	175,000	93,000	60,000	6,000	16,000
Non-U.S. citizen	130,000	68,000	55,000	2,000	5,000
Permanent resident	92,000	49,000	38,000	1,000	4,000
Temporary resident	38,000	19,000	17,000	*	1,000
S&E occupations	592,000	249,000	268,000	19,000	56,000
U.S. citizen	490,000	198,000	221,000	18,000	52,000
Native-born	374,000	140,000	177,000	16,000	41,000
Naturalized	116,000	58,000	44,000	2,000	12,000
Non-U.S. citizen	102,000	51,000	46,000	1,000	4,000
Permanent resident	68,000	34,000	31,000	1,000	3,000
Temporary resident	34,000	17,000	15,000	*	1,000
Science occupations	485,000	181,000	237,000	19,000	48,000
U.S. citizen	409,000	147,000	199,000	18,000	45,000
Native-born	325,000	109,000	163,000	16,000	36,000
Naturalized	85,000	38,000	36,000	2,000	9,000
Non-U.S. citizen	75,000	34,000	38,000	1,000	3,000
Permanent resident	53,000	24,000	26,000	*	2,000
Temporary resident	22,000	10,000	12,000	*	1,000
Biological/agricultural/other life scientists	156,000	50,000	83,000	4,000	19,000
U.S. citizen	128,000	39,000	68,000	3,000	17,000
Native-born	97,000	27,000	54,000	3,000	13,000
Naturalized	31,000	13,000	13,000	*	4,000
Non-U.S. citizen	28,000	11,000	15,000	D	2,000
Permanent resident	20,000	8,000	10,000	D	2,000
Temporary resident	8,000	2,000	5,000	D	*
Agricultural/food scientists	11,000	5,000	3,000	D	2,000
U.S. citizen	9,000	4,000	3,000	D	2,000
Native-born	7,000	3,000	2,000	D	2,000
Naturalized	2,000	1,000	*	D	*
Non-U.S. citizen	2,000	1,000	1,000	D	D
Permanent resident	1,000	*	1,000	D	D
Temporary resident	*	*	*	D	D
Biological/medical scientists	108,000	44,000	47,000	*	17,000
U.S. citizen	85,000	34,000	36,000	*	15,000
Native-born	62,000	23,000	28,000	*	11,000
Naturalized	23,000	12,000	8,000	D	4,000
Non-U.S. citizen	23,000	10,000	11,000	D	2,000
Permanent resident	16,000	8,000	7,000	D	1,000
Temporary resident	7,000	2,000	4,000	D	*
Environmental life scientists	2,000	*	*	D	1,000
U.S. citizen	1,000	*	*	D	1,000
Native-born	1,000	*	*	D	1,000
Naturalized	*	D	D	D	D
Non-U.S. citizen	*	*	D	D	D
Permanent resident	*	D	D	D	D
Temporary resident	D	D	D	D	D

TABLE 9. Employed U.S. scientists and engineers, by level of highest degree, occupation, citizenship status, and employment sector: 2008

Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment: Business/ industry	4-year college/ university	Other educational institution	Government
Postsecondary teachers-life/related sciences	35,000	*	32,000	3,000	D
U.S. citizen	32,000	*	29,000	3,000	D
Native-born	27,000	*	24,000	3,000	D
Naturalized	5,000	D	5,000	*	D
Non-U.S. citizen	3,000	D	3,000	D	D
Permanent resident	3,000	D	2,000	D	D
Temporary resident	1,000	D	1,000	D	D
Computer/mathematical scientists	92,000	47,000	35,000	4,000	6,000
U.S. citizen	70,000	34,000	27,000	4,000	5,000
Native-born	46,000	20,000	19,000	3,000	4,000
Naturalized	23,000	14,000	7,000	1,000	1,000
Non-U.S. citizen	22,000	13,000	8,000	*	*
Permanent resident	15,000	9,000	6,000	*	*
Temporary resident	7,000	4,000	3,000	D	D
Computer/information scientists	46,000	37,000	5,000	*	3,000
U.S. citizen	33,000	26,000	3,000	*	3,000
Native-born	21,000	16,000	2,000	D	2,000
Naturalized	13,000	11,000	1,000	D	1,000
Non-U.S. citizen	12,000	10,000	2,000	D	D
Permanent resident	9,000	7,000	1,000	D	D
Temporary resident	4,000	3,000	1,000	D	D
Mathematical scientists	17,000	10,000	4,000	S	2,000
U.S. citizen	13,000	7,000	2,000	S	2,000
Native-born	8,000	5,000	2,000	D	1,000
Naturalized	4,000	3,000	1,000	D	1,000
Non-U.S. citizen	4,000	3,000	1,000	D	D
Permanent resident	2,000	2,000	1,000	D	D
Temporary resident	2,000	2,000	*	D	D
Postsecondary teachers-computer/mathematical sciences	29,000	*	26,000	3,000	D
U.S. citizen	24,000	*	21,000	3,000	D
Native-born	17,000	D	15,000	2,000	D
Naturalized	6,000	D	6,000	1,000	D
Non-U.S. citizen	6,000	D	6,000	*	D
Permanent resident	4,000	D	4,000	*	D
Temporary resident	2,000	D	2,000	D	D
Physical/related scientists	93,000	36,000	43,000	3,000	11,000
U.S. citizen	78,000	29,000	35,000	3,000	11,000
Native-born	61,000	21,000	28,000	2,000	8,000
Naturalized	17,000	8,000	7,000	*	2,000
Non-U.S. citizen	16,000	7,000	8,000	*	1,000
Permanent resident	11,000	5,000	6,000	D	*
Temporary resident	4,000	2,000	2,000	D	*
Chemists, except biochemists	29,000	21,000	4,000	D	3,000
U.S. citizen	23,000	17,000	3,000	D	3,000
Native-born	16,000	12,000	2,000	D	2,000
Naturalized	7,000	5,000	1,000	D	1,000
Non-U.S. citizen	6,000	5,000	1,000	D	*
Permanent resident	4,000	4,000	1,000	D	D
Temporary resident	2,000	1,000	1,000	D	D

TABLE 9. Employed U.S. scientists and engineers, by level of highest degree, occupation, citizenship status, and employment sector: 2008

Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment: Business/ industry	4-year college/ university	Other educational institution	Government
Earth/atmospheric/ocean scientists	12,000	4,000	4,000	D	3,000
U.S. citizen	10,000	4,000	3,000	D	3,000
Native-born	9,000	3,000	3,000	D	3,000
Naturalized	1,000	*	*	D	1,000
Non-U.S. citizen	2,000	1,000	1,000	D	*
Permanent resident	1,000	*	1,000	D	D
Temporary resident	1,000	*	*	D	D
Physicists/astronomers	16,000	8,000	5,000	D	3,000
U.S. citizen	13,000	7,000	4,000	D	3,000
Native-born	10,000	5,000	3,000	D	2,000
Naturalized	3,000	2,000	1,000	D	1,000
Non-U.S. citizen	3,000	1,000	1,000	D	*
Permanent resident	2,000	1,000	*	D	*
Temporary resident	1,000	*	1,000	D	*
Postsecondary teachers-physical/related sciences	32,000	D	29,000	3,000	D
U.S. citizen	28,000	D	25,000	3,000	D
Native-born	23,000	D	20,000	2,000	D
Naturalized	5,000	D	5,000	*	D
Non-U.S. citizen	4,000	D	4,000	*	D
Permanent resident	4,000	D	4,000	D	D
Temporary resident	*	D	*	D	D
Other physical/related scientists	4,000	3,000	1,000	D	1,000
U.S. citizen	3,000	2,000	*	D	1,000
Native-born	3,000	1,000	*	D	1,000
Naturalized	1,000	1,000	D	D	D
Non-U.S. citizen	1,000	1,000	*	D	D
Permanent resident	*	D	D	D	D
Temporary resident	1,000	*	D	D	D
Social/related scientists	144,000	48,000	76,000	8,000	12,000
U.S. citizen	134,000	45,000	69,000	8,000	12,000
Native-born	120,000	41,000	61,000	7,000	11,000
Naturalized	14,000	4,000	8,000	1,000	1,000
Non-U.S. citizen	10,000	3,000	7,000	*	*
Permanent resident	7,000	2,000	5,000	*	*
Temporary resident	3,000	1,000	2,000	D	D
Economists	8,000	4,000	2,000	D	2,000
U.S. citizen	6,000	3,000	1,000	D	2,000
Native-born	5,000	3,000	1,000	D	2,000
Naturalized	1,000	*	*	D	*
Non-U.S. citizen	2,000	1,000	1,000	D	*
Permanent resident	1,000	*	*	D	*
Temporary resident	1,000	1,000	*	D	D
Political/related scientists	1,000	*	1,000	D	*
U.S. citizen	1,000	*	1,000	D	*
Native-born	1,000	*	1,000	D	*
Naturalized	D	D	D	D	D
Non-U.S. citizen	*	D	*	D	D
Permanent resident	*	D	*	D	D
Temporary resident	D	D	D	D	D

TABLE 9. Employed U.S. scientists and engineers, by level of highest degree, occupation, citizenship status, and employment sector: 2008

Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment: Business/ industry	4-year college/ university	Other educational institution	Government
Postsecondary teachers-social/related sciences	65,000	*	59,000	5,000	*
U.S. citizen	59,000	*	54,000	5,000	*
Native-born	53,000	*	48,000	4,000	*
Naturalized	7,000	D	6,000	*	D
Non-U.S. citizen	5,000	D	5,000	*	D
Permanent resident	4,000	D	4,000	*	D
Temporary resident	1,000	D	1,000	D	D
Psychologists	56,000	37,000	9,000	3,000	7,000
U.S. citizen	55,000	36,000	9,000	3,000	7,000
Native-born	50,000	33,000	8,000	3,000	7,000
Naturalized	5,000	3,000	S	*	1,000
Non-U.S. citizen	1,000	1,000	*	D	D
Permanent resident	1,000	1,000	*	D	D
Temporary resident	*	D	*	D	D
Sociologists/anthropologists	4,000	2,000	2,000	D	1,000
U.S. citizen	4,000	1,000	1,000	D	1,000
Native-born	3,000	1,000	1,000	D	1,000
Naturalized	*	D	*	D	*
Non-U.S. citizen	1,000	*	*	D	D
Permanent resident	*	D	*	D	D
Temporary resident	*	D	*	D	D
Other social/related scientists	9,000	4,000	3,000	*	1,000
U.S. citizen	8,000	3,000	3,000	*	1,000
Native-born	7,000	3,000	3,000	*	1,000
Naturalized	1,000	1,000	*	D	*
Non-U.S. citizen	1,000	S	*	D	D
Permanent resident	1,000	S	*	D	D
Temporary resident	*	*	D	D	D
Engineering occupations	107,000	68,000	30,000	*	8,000
U.S. citizen	81,000	51,000	22,000	*	7,000
Native-born	50,000	31,000	14,000	*	5,000
Naturalized	31,000	20,000	8,000	D	3,000
Non-U.S. citizen	26,000	17,000	8,000	D	1,000
Permanent resident	15,000	10,000	4,000	D	*
Temporary resident	11,000	7,000	4,000	D	*
Aerospace/aeronautical/astronautical engineers	7,000	5,000	*	D	1,000
U.S. citizen	6,000	5,000	*	D	1,000
Native-born	4,000	3,000	D	D	1,000
Naturalized	2,000	2,000	D	D	*
Non-U.S. citizen	1,000	*	*	D	D
Permanent resident	*	*	D	D	D
Temporary resident	*	D	D	D	D
Chemical engineers	9,000	8,000	1,000	D	*
U.S. citizen	7,000	6,000	*	D	*
Native-born	4,000	4,000	*	D	*
Naturalized	3,000	2,000	D	D	D
Non-U.S. citizen	2,000	1,000	*	D	D
Permanent resident	1,000	1,000	*	D	D
Temporary resident	1,000	*	D	D	D

TABLE 9. Employed U.S. scientists and engineers, by level of highest degree, occupation, citizenship status, and employment sector: 2008

Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment: Business/ industry	4-year college/ university	Other educational institution	Government
Civil/architectural/sanitary engineers	6,000	4,000	1,000	D	1,000
U.S. citizen	4,000	2,000	1,000	D	1,000
Native-born	2,000	2,000	*	D	*
Naturalized	2,000	1,000	*	D	1,000
Non-U.S. citizen	2,000	1,000	*	D	*
Permanent resident	1,000	1,000	D	D	*
Temporary resident	1,000	*	*	D	D
Electrical/computer hardware engineers	25,000	21,000	2,000	D	2,000
U.S. citizen	17,000	14,000	2,000	D	1,000
Native-born	10,000	8,000	1,000	D	1,000
Naturalized	8,000	7,000	1,000	D	S
Non-U.S. citizen	8,000	7,000	1,000	D	D
Permanent resident	4,000	4,000	*	D	D
Temporary resident	3,000	3,000	*	D	D
Industrial engineers	2,000	2,000	*	D	*
U.S. citizen	2,000	1,000	*	D	*
Native-born	1,000	1,000	*	D	D
Naturalized	1,000	S	D	D	D
Non-U.S. citizen	*	*	D	D	D
Permanent resident	D	D	D	D	D
Temporary resident	D	D	D	D	D
Mechanical engineers	11,000	9,000	1,000	D	1,000
U.S. citizen	8,000	7,000	1,000	D	1,000
Native-born	5,000	4,000	1,000	D	*
Naturalized	4,000	3,000	*	D	*
Non-U.S. citizen	3,000	3,000	*	D	D
Permanent resident	1,000	1,000	D	D	D
Temporary resident	2,000	1,000	*	D	D
Postsecondary teachers-engineering	21,000	D	21,000	*	*
U.S. citizen	16,000	D	16,000	*	*
Native-born	10,000	D	10,000	*	*
Naturalized	6,000	D	6,000	D	D
Non-U.S. citizen	5,000	D	5,000	D	D
Permanent resident	3,000	D	3,000	D	D
Temporary resident	2,000	D	2,000	D	D
Other engineers	27,000	20,000	4,000	D	3,000
U.S. citizen	20,000	15,000	2,000	D	3,000
Native-born	14,000	11,000	2,000	D	2,000
Naturalized	6,000	5,000	1,000	D	1,000
Non-U.S. citizen	6,000	4,000	2,000	D	*
Permanent resident	3,000	2,000	1,000	D	*
Temporary resident	3,000	2,000	1,000	D	D
S&E-related occupations	117,000	53,000	37,000	15,000	13,000
U.S. citizen	105,000	46,000	32,000	15,000	12,000
Native-born	80,000	32,000	26,000	13,000	10,000
Naturalized	25,000	14,000	7,000	2,000	2,000
Non-U.S. citizen	12,000	7,000	4,000	*	1,000
Permanent resident	11,000	5,000	4,000	*	1,000
Temporary resident	2,000	1,000	1,000	D	D

TABLE 9. Employed U.S. scientists and engineers, by level of highest degree, occupation, citizenship status, and employment sector: 2008

Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment: Business/ industry	4-year college/ university	Other educational institution	Government
Health occupations	65,000	25,000	32,000	1,000	7,000
U.S. citizen	58,000	23,000	29,000	1,000	6,000
Native-born	46,000	17,000	23,000	1,000	4,000
Naturalized	13,000	6,000	6,000	D	1,000
Non-U.S. citizen	7,000	2,000	4,000	D	1,000
Permanent resident	6,000	2,000	3,000	D	S
Temporary resident	1,000	S	1,000	D	D
S&E managers, including health	32,000	23,000	4,000	D	5,000
U.S. citizen	29,000	20,000	3,000	D	5,000
Native-born	21,000	14,000	3,000	D	5,000
Naturalized	8,000	7,000	1,000	D	1,000
Non-U.S. citizen	3,000	3,000	1,000	D	D
Permanent resident	3,000	2,000	*	D	D
Temporary resident	*	*	D	D	D
S&E precollege teachers	15,000	D	D	14,000	D
U.S. citizen	14,000	D	D	14,000	D
Native-born	12,000	D	D	12,000	D
Naturalized	2,000	D	D	2,000	D
Non-U.S. citizen	*	D	D	*	D
Permanent resident	*	D	D	*	D
Temporary resident	D	D	D	D	D
S&E technicians/technologists	4,000	4,000	1,000	D	*
U.S. citizen	3,000	2,000	*	D	*
Native-born	1,000	1,000	*	D	*
Naturalized	2,000	1,000	D	D	D
Non-U.S. citizen	2,000	2,000	D	D	D
Permanent resident	1,000	1,000	D	D	D
Temporary resident	*	*	D	D	D
Other S&E-related occupations	1,000	*	D	D	D
U.S. citizen	1,000	*	D	D	D
Native-born	*	*	D	D	D
Naturalized	*	D	D	D	D
Non-U.S. citizen	*	*	D	D	D
Permanent resident	D	D	D	D	D
Temporary resident	D	D	D	D	D
Non-S&E occupations	225,000	114,000	76,000	22,000	12,000
U.S. citizen	209,000	104,000	72,000	21,000	12,000
Native-born	175,000	83,000	62,000	20,000	10,000
Naturalized	35,000	21,000	10,000	2,000	2,000
Non-U.S. citizen	16,000	11,000	4,000	1,000	*
Permanent resident	13,000	9,000	3,000	*	*
Temporary resident	3,000	2,000	1,000	D	D
Arts/humanities/related occupations	9,000	7,000	1,000	D	*
U.S. citizen	8,000	6,000	1,000	D	*
Native-born	7,000	5,000	1,000	D	*
Naturalized	1,000	1,000	D	D	D
Non-U.S. citizen	1,000	1,000	D	D	D
Permanent resident	1,000	1,000	D	D	D
Temporary resident	D	D	D	D	D

TABLE 9. Employed U.S. scientists and engineers, by level of highest degree, occupation, citizenship status, and employment sector: 2008

Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment: Business/ industry	4-year college/ university	Other educational institution	Government
Management-related occupations	34,000	27,000	3,000	S	4,000
U.S. citizen	31,000	24,000	2,000	S	4,000
Native-born	26,000	20,000	2,000	S	3,000
Naturalized	5,000	4,000	*	D	S
Non-U.S. citizen	3,000	3,000	*	D	*
Permanent resident	2,000	2,000	*	D	D
Temporary resident	1,000	1,000	D	D	D
Non-S&E managers	75,000	37,000	23,000	11,000	4,000
U.S. citizen	71,000	33,000	23,000	11,000	4,000
Native-born	60,000	25,000	20,000	11,000	3,000
Naturalized	11,000	8,000	2,000	*	1,000
Non-U.S. citizen	4,000	4,000	*	D	D
Permanent resident	4,000	3,000	*	D	D
Temporary resident	*	*	D	D	D
Non-S&E postsecondary teachers	50,000	S	46,000	2,000	D
U.S. citizen	46,000	S	42,000	2,000	D
Native-born	39,000	S	35,000	1,000	D
Naturalized	7,000	D	7,000	*	D
Non-U.S. citizen	4,000	D	4,000	D	D
Permanent resident	3,000	D	3,000	D	D
Temporary resident	1,000	D	1,000	D	D
Non-S&E precollege/other teachers	6,000	S	D	5,000	*
U.S. citizen	6,000	S	D	5,000	D
Native-born	5,000	S	D	4,000	D
Naturalized	S	D	D	S	D
Non-U.S. citizen	*	D	D	*	D
Permanent resident	D	D	D	D	D
Temporary resident	D	D	D	D	D
Sales/marketing occupations	14,000	14,000	D	D	D
U.S. citizen	11,000	11,000	D	D	D
Native-born	7,000	7,000	D	D	D
Naturalized	4,000	4,000	D	D	D
Non-U.S. citizen	3,000	3,000	D	D	D
Permanent resident	2,000	2,000	D	D	D
Temporary resident	*	*	D	D	D
Social services/related occupations	16,000	12,000	1,000	2,000	1,000
U.S. citizen	15,000	12,000	1,000	2,000	1,000
Native-born	14,000	11,000	1,000	1,000	1,000
Naturalized	2,000	1,000	D	D	*
Non-U.S. citizen	*	D	D	D	D
Permanent resident	D	D	D	D	D
Temporary resident	D	D	D	D	D
Other non-S&E occupations	21,000	15,000	2,000	S	3,000
U.S. citizen	20,000	14,000	2,000	S	3,000
Native-born	17,000	12,000	2,000	S	2,000
Naturalized	3,000	3,000	*	D	1,000

TABLE 9. Employed U.S. scientists and engineers, by level of highest degree, occupation, citizenship status, and employment sector: 2008

Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment			
		Business/ industry	4-year college/ university	Other educational institution	Government
Non-U.S. citizen	1,000	1,000	D	D	D
Permanent resident	*	*	D	D	D
Temporary resident	D	D	D	D	D

* = value < 500. D = suppressed to avoid disclosure of confidential information. S = suppressed for reliability; coefficient of variation exceeds publication standards.

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/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. Numbers are rounded to nearest thousand. Detail may not add to total because of rounding.

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

TABLE 10. Employed U.S. scientists and engineers, by level of highest degree, occupation, age, and primary/secondary work activity: 2008

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity: Research and development	Teaching	Management, sales, administration	Computer applications	Other
All degree levels and occupations[a]	19,244,000	5,439,000	3,473,000	11,908,000	2,163,000	7,666,000
<30	2,330,000	847,000	445,000	1,207,000	262,000	924,000
30–39	4,862,000	1,569,000	858,000	2,956,000	655,000	1,831,000
40–49	5,286,000	1,433,000	909,000	3,431,000	666,000	2,027,000
50–59	4,846,000	1,149,000	920,000	3,103,000	453,000	2,048,000
60–75	1,921,000	441,000	341,000	1,211,000	129,000	835,000
S&E occupations	4,874,000	2,858,000	463,000	2,360,000	1,475,000	938,000
<30	686,000	485,000	68,000	242,000	197,000	121,000
30–39	1,365,000	845,000	99,000	638,000	468,000	239,000
40–49	1,401,000	772,000	107,000	752,000	461,000	254,000
50–59	1,035,000	560,000	112,000	540,000	279,000	228,000
60–75	388,000	195,000	78,000	187,000	70,000	95,000
Science occupations	3,292,000	1,808,000	409,000	1,431,000	1,292,000	617,000
<30	461,000	314,000	62,000	148,000	165,000	80,000
30–39	953,000	555,000	86,000	399,000	414,000	162,000
40–49	942,000	486,000	95,000	457,000	410,000	161,000
50–59	689,000	340,000	97,000	326,000	242,000	154,000
60–75	247,000	113,000	69,000	102,000	61,000	60,000
Biological/agricultural/other life scientists	498,000	368,000	79,000	213,000	23,000	99,000
<30	91,000	75,000	16,000	23,000	4,000	18,000
30–39	131,000	102,000	15,000	51,000	7,000	25,000
40–49	122,000	88,000	17,000	61,000	5,000	22,000
50–59	115,000	77,000	19,000	61,000	4,000	27,000
60–75	38,000	25,000	12,000	17,000	2,000	7,000
Agricultural/food scientists	62,000	42,000	2,000	36,000	1,000	20,000
<30	10,000	8,000	D	3,000	D	3,000
30–39	13,000	8,000	D	7,000	D	5,000
40–49	16,000	11,000	*	11,000	*	4,000
50–59	21,000	13,000	1,000	13,000	D	7,000
60–75	3,000	2,000	D	2,000	D	1,000
Biological/medical scientists	331,000	275,000	13,000	133,000	18,000	60,000
<30	66,000	59,000	5,000	13,000	3,000	14,000
30–39	96,000	82,000	2,000	36,000	6,000	16,000
40–49	83,000	65,000	3,000	41,000	4,000	15,000
50–59	64,000	50,000	S	32,000	3,000	13,000
60–75	21,000	17,000	1,000	10,000	1,000	4,000
Environmental life scientists	35,000	13,000	1,000	26,000	S	13,000
<30	4,000	2,000	D	3,000	D	1,000
30–39	7,000	4,000	S	5,000	D	2,000
40–49	8,000	3,000	D	6,000	D	3,000
50–59	14,000	4,000	D	11,000	D	6,000
60–75	2,000	1,000	D	1,000	D	1,000
Postsecondary teachers-life/related sciences	70,000	38,000	62,000	18,000	1,000	6,000
<30	11,000	6,000	10,000	4,000	D	D
30–39	15,000	9,000	13,000	3,000	D	3,000
40–49	16,000	9,000	14,000	4,000	D	1,000
50–59	17,000	10,000	14,000	4,000	D	2,000
60–75	12,000	4,000	11,000	3,000	S	1,000
Computer/mathematical scientists	1,970,000	965,000	135,000	866,000	1,231,000	240,000
<30	238,000	143,000	16,000	82,000	152,000	28,000
30–39	615,000	318,000	33,000	264,000	397,000	73,000

TABLE 10. Employed U.S. scientists and engineers, by level of highest degree, occupation, age, and primary/secondary work activity: 2008

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity: Research and development	Teaching	Management, sales, administration	Computer applications	Other
40–49	636,000	301,000	33,000	297,000	397,000	80,000
50–59	377,000	162,000	33,000	175,000	230,000	49,000
60–75	104,000	41,000	20,000	48,000	55,000	10,000
Computer/information scientists	1,778,000	847,000	53,000	807,000	1,185,000	222,000
<30	215,000	126,000	7,000	77,000	148,000	26,000
30–39	558,000	277,000	13,000	248,000	382,000	68,000
40–49	588,000	273,000	18,000	278,000	383,000	77,000
50–59	338,000	140,000	12,000	163,000	221,000	45,000
60–75	78,000	30,000	3,000	40,000	52,000	6,000
Mathematical scientists	107,000	80,000	3,000	42,000	38,000	12,000
<30	13,000	11,000	*	3,000	4,000	2,000
30–39	38,000	29,000	S	14,000	14,000	4,000
40–49	31,000	21,000	*	15,000	13,000	2,000
50–59	18,000	14,000	*	8,000	6,000	2,000
60–75	7,000	5,000	D	3,000	2,000	2,000
Postsecondary teachers-computer/ mathematical sciences	84,000	38,000	79,000	17,000	7,000	6,000
<30	10,000	6,000	10,000	2,000	1,000	D
30–39	19,000	12,000	17,000	2,000	S	1,000
40–49	16,000	7,000	15,000	4,000	1,000	1,000
50–59	20,000	8,000	20,000	4,000	2,000	2,000
60–75	19,000	5,000	17,000	5,000	1,000	S
Physical/related scientists	322,000	226,000	56,000	130,000	24,000	78,000
<30	47,000	36,000	9,000	11,000	6,000	12,000
30–39	84,000	62,000	12,000	30,000	6,000	22,000
40–49	80,000	51,000	14,000	41,000	5,000	20,000
50–59	77,000	54,000	12,000	35,000	5,000	19,000
60–75	34,000	23,000	9,000	12,000	2,000	6,000
Chemists, except biochemists	129,000	95,000	3,000	49,000	5,000	42,000
<30	19,000	16,000	1,000	5,000	1,000	7,000
30–39	38,000	30,000	*	11,000	2,000	13,000
40–49	34,000	23,000	D	18,000	1,000	10,000
50–59	26,000	18,000	*	10,000	1,000	9,000
60–75	12,000	8,000	*	5,000	*	3,000
Earth/atmospheric/ocean scientists	78,000	58,000	1,000	42,000	9,000	19,000
<30	9,000	7,000	D	3,000	2,000	3,000
30–39	18,000	13,000	D	9,000	2,000	4,000
40–49	19,000	12,000	D	12,000	2,000	5,000
50–59	25,000	20,000	*	14,000	2,000	6,000
60–75	7,000	5,000	D	3,000	1,000	1,000
Physicists/astronomers	27,000	24,000	1,000	7,000	7,000	3,000
<30	6,000	5,000	*	1,000	2,000	1,000
30–39	7,000	6,000	D	2,000	2,000	1,000
40–49	5,000	4,000	D	2,000	1,000	1,000
50–59	5,000	4,000	*	1,000	1,000	1,000
60–75	5,000	4,000	D	1,000	1,000	*
Postsecondary teachers-physical/ related sciences	54,000	29,000	51,000	11,000	1,000	3,000
<30	9,000	5,000	8,000	1,000	D	1,000
30–39	12,000	7,000	11,000	3,000	D	1,000
40–49	13,000	7,000	13,000	4,000	D	1,000

TABLE 10. Employed U.S. scientists and engineers, by level of highest degree, occupation, age, and primary/secondary work activity: 2008

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity: Research and development	Teaching	Management, sales, administration	Computer applications	Other
50–59	11,000	7,000	11,000	2,000	*	*
60–75	9,000	4,000	9,000	2,000	D	1,000
Other physical/related scientists	35,000	20,000	*	20,000	1,000	11,000
<30	3,000	2,000	D	1,000	D	1,000
30–39	9,000	5,000	D	5,000	*	4,000
40–49	9,000	5,000	D	5,000	D	3,000
50–59	11,000	6,000	D	7,000	*	3,000
60–75	2,000	1,000	D	1,000	D	*
Social/related scientists	502,000	248,000	138,000	223,000	16,000	200,000
<30	85,000	59,000	21,000	32,000	4,000	22,000
30–39	123,000	72,000	26,000	54,000	4,000	42,000
40–49	104,000	45,000	30,000	57,000	3,000	39,000
50–59	120,000	47,000	34,000	54,000	3,000	60,000
60–75	71,000	25,000	28,000	26,000	S	37,000
Economists	29,000	19,000	*	14,000	4,000	9,000
<30	5,000	5,000	D	2,000	1,000	1,000
30–39	8,000	6,000	D	4,000	1,000	2,000
40–49	8,000	3,000	D	4,000	S	4,000
50–59	4,000	3,000	D	3,000	*	1,000
60–75	4,000	2,000	D	2,000	*	1,000
Political/related scientists	17,000	12,000	*	8,000	D	7,000
<30	6,000	5,000	D	2,000	D	S
30–39	6,000	5,000	D	3,000	D	2,000
40–49	2,000	S	D	S	D	D
50–59	S	1,000	D	S	D	D
60–75	S	*	D	D	D	D
Postsecondary teachers-social/related sciences	116,000	67,000	109,000	21,000	1,000	13,000
<30	17,000	10,000	14,000	3,000	D	D
30–39	23,000	16,000	22,000	3,000	D	1,000
40–49	26,000	16,000	24,000	5,000	D	3,000
50–59	27,000	14,000	26,000	5,000	D	4,000
60–75	23,000	12,000	22,000	4,000	D	4,000
Psychologists	185,000	60,000	25,000	74,000	3,000	144,000
<30	28,000	18,000	5,000	7,000	1,000	15,000
30–39	37,000	17,000	3,000	13,000	S	27,000
40–49	33,000	8,000	4,000	16,000	D	26,000
50–59	55,000	10,000	7,000	25,000	*	48,000
60–75	32,000	6,000	5,000	12,000	D	29,000
Sociologists/anthropologists	21,000	18,000	2,000	11,000	S	3,000
<30	7,000	7,000	D	4,000	D	S
30–39	5,000	4,000	D	2,000	D	1,000
40–49	2,000	2,000	D	1,000	D	*
50–59	4,000	3,000	D	3,000	D	1,000
60–75	2,000	2,000	D	1,000	D	1,000
Other social/related scientists	134,000	73,000	3,000	95,000	7,000	25,000
<30	22,000	15,000	1,000	14,000	S	3,000
30–39	43,000	23,000	*	29,000	2,000	9,000
40–49	33,000	15,000	S	29,000	1,000	6,000
50–59	27,000	16,000	1,000	17,000	3,000	4,000
60–75	9,000	4,000	D	7,000	D	3,000
Engineering occupations	1,582,000	1,050,000	55,000	929,000	182,000	321,000

TABLE 10. Employed U.S. scientists and engineers, by level of highest degree, occupation, age, and primary/secondary work activity: 2008

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, administration	Computer applications	Other
<30	224,000	171,000	7,000	95,000	31,000	41,000
30–39	412,000	290,000	12,000	239,000	54,000	77,000
40–49	459,000	286,000	12,000	295,000	52,000	93,000
50–59	347,000	220,000	15,000	215,000	36,000	73,000
60–75	141,000	82,000	9,000	85,000	8,000	35,000
Aerospace/aeronautical/astronautical engineers	100,000	68,000	2,000	53,000	17,000	18,000
<30	13,000	11,000	*	3,000	2,000	2,000
30–39	21,000	16,000	D	10,000	4,000	3,000
40–49	30,000	20,000	D	20,000	4,000	6,000
50–59	21,000	13,000	D	12,000	5,000	3,000
60–75	15,000	9,000	D	8,000	1,000	4,000
Chemical engineers	77,000	56,000	*	44,000	6,000	20,000
<30	11,000	8,000	D	4,000	1,000	3,000
30–39	22,000	16,000	D	14,000	1,000	5,000
40–49	21,000	15,000	D	10,000	2,000	6,000
50–59	17,000	12,000	D	11,000	2,000	3,000
60–75	7,000	5,000	D	5,000	D	2,000
Civil/architectural/sanitary engineers	258,000	136,000	3,000	196,000	13,000	58,000
<30	39,000	29,000	*	22,000	2,000	6,000
30–39	74,000	41,000	1,000	57,000	3,000	19,000
40–49	62,000	29,000	S	51,000	4,000	12,000
50–59	55,000	26,000	D	46,000	2,000	14,000
60–75	27,000	11,000	D	20,000	1,000	8,000
Electrical/computer hardware engineers	399,000	305,000	3,000	177,000	97,000	60,000
<30	52,000	40,000	D	18,000	17,000	9,000
30–39	105,000	83,000	1,000	43,000	31,000	16,000
40–49	127,000	93,000	1,000	64,000	29,000	20,000
50–59	87,000	68,000	S	39,000	17,000	11,000
60–75	28,000	21,000	D	13,000	4,000	4,000
Industrial engineers	93,000	48,000	1,000	69,000	7,000	29,000
<30	15,000	8,000	*	10,000	1,000	4,000
30–39	24,000	14,000	D	18,000	3,000	6,000
40–49	29,000	14,000	D	21,000	2,000	8,000
50–59	23,000	12,000	D	17,000	1,000	9,000
60–75	3,000	1,000	D	2,000	D	1,000
Mechanical engineers	300,000	235,000	4,000	174,000	16,000	49,000
<30	49,000	43,000	*	17,000	4,000	7,000
30–39	78,000	65,000	1,000	45,000	4,000	11,000
40–49	89,000	68,000	1,000	60,000	3,000	16,000
50–59	60,000	44,000	S	36,000	4,000	11,000
60–75	25,000	16,000	S	15,000	1,000	4,000
Postsecondary teachers-engineering	35,000	22,000	33,000	8,000	1,000	2,000
<30	5,000	3,000	3,000	1,000	*	S
30–39	7,000	5,000	6,000	1,000	*	*
40–49	9,000	6,000	8,000	2,000	D	*
50–59	9,000	5,000	8,000	2,000	D	*
60–75	6,000	3,000	6,000	2,000	*	*
Other engineers	320,000	179,000	7,000	208,000	25,000	84,000
<30	42,000	30,000	2,000	19,000	4,000	9,000
30–39	81,000	50,000	1,000	51,000	7,000	17,000
40–49	92,000	43,000	*	66,000	7,000	25,000

TABLE 10. Employed U.S. scientists and engineers, by level of highest degree, occupation, age, and primary/secondary work activity: 2008

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity: Research and development	Teaching	Management, sales, administration	Computer applications	Other
50–59	75,000	41,000	S	51,000	5,000	22,000
60–75	30,000	16,000	1,000	20,000	2,000	12,000
S&E-related occupations	5,542,000	1,136,000	1,585,000	2,769,000	387,000	3,563,000
<30	547,000	142,000	181,000	196,000	31,000	383,000
30–39	1,391,000	335,000	426,000	676,000	117,000	860,000
40–49	1,601,000	306,000	440,000	860,000	126,000	1,011,000
50–59	1,476,000	254,000	413,000	770,000	89,000	957,000
60–75	527,000	98,000	125,000	268,000	24,000	352,000
Health occupations	3,780,000	504,000	988,000	1,687,000	73,000	3,242,000
<30	402,000	74,000	114,000	132,000	7,000	356,000
30–39	926,000	143,000	258,000	408,000	16,000	792,000
40–49	1,066,000	123,000	276,000	507,000	23,000	916,000
50–59	1,012,000	117,000	258,000	472,000	21,000	861,000
60–75	374,000	47,000	83,000	167,000	6,000	318,000
S&E managers, including health	501,000	145,000	6,000	489,000	66,000	87,000
<30	8,000	2,000	D	8,000	D	2,000
30–39	108,000	31,000	D	105,000	19,000	15,000
40–49	176,000	55,000	S	172,000	28,000	27,000
50–59	161,000	43,000	S	157,000	14,000	33,000
60–75	49,000	14,000	*	47,000	4,000	10,000
S&E precollege teachers	599,000	151,000	578,000	250,000	19,000	32,000
<30	68,000	15,000	66,000	34,000	2,000	4,000
30–39	170,000	61,000	165,000	68,000	4,000	8,000
40–49	164,000	36,000	156,000	72,000	6,000	10,000
50–59	152,000	29,000	149,000	57,000	7,000	7,000
60–75	46,000	11,000	41,000	19,000	D	4,000
S&E technicians/technologists	446,000	225,000	12,000	187,000	216,000	113,000
<30	60,000	46,000	S	17,000	19,000	19,000
30–39	128,000	68,000	S	52,000	72,000	25,000
40–49	130,000	60,000	6,000	62,000	65,000	29,000
50–59	96,000	41,000	3,000	38,000	46,000	30,000
60–75	31,000	10,000	D	17,000	13,000	10,000
Other S&E-related occupations	216,000	110,000	D	156,000	13,000	88,000
<30	9,000	4,000	D	5,000	2,000	3,000
30–39	59,000	32,000	D	41,000	5,000	19,000
40–49	65,000	33,000	D	47,000	3,000	29,000
50–59	55,000	24,000	D	46,000	D	28,000
60–75	28,000	16,000	D	17,000	D	10,000
Non-S&E occupations	8,828,000	1,445,000	1,424,000	6,780,000	302,000	3,165,000
<30	1,097,000	221,000	195,000	769,000	34,000	419,000
30–39	2,106,000	388,000	333,000	1,643,000	69,000	733,000
40–49	2,284,000	355,000	362,000	1,818,000	79,000	763,000
50–59	2,334,000	334,000	395,000	1,793,000	85,000	862,000
60–75	1,006,000	148,000	139,000	756,000	35,000	388,000
Arts/humanities/related occupations	295,000	98,000	29,000	192,000	19,000	115,000
<30	37,000	12,000	5,000	23,000	2,000	16,000
30–39	80,000	33,000	7,000	54,000	7,000	24,000
40–49	73,000	23,000	9,000	39,000	5,000	32,000
50–59	67,000	16,000	5,000	51,000	S	25,000
60–75	38,000	14,000	3,000	25,000	2,000	18,000
Management-related occupations	1,309,000	256,000	61,000	1,191,000	73,000	335,000

TABLE 10. Employed U.S. scientists and engineers, by level of highest degree, occupation, age, and primary/secondary work activity: 2008

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity: Research and development	Teaching	Management, sales, administration	Computer applications	Other
<30	178,000	46,000	5,000	155,000	10,000	46,000
30–39	325,000	69,000	15,000	300,000	18,000	75,000
40–49	362,000	62,000	16,000	334,000	19,000	83,000
50–59	311,000	57,000	18,000	283,000	18,000	86,000
60–75	133,000	21,000	6,000	119,000	8,000	46,000
Non-S&E managers	1,261,000	178,000	45,000	1,227,000	34,000	249,000
<30	28,000	5,000	2,000	27,000	1,000	5,000
30–39	254,000	32,000	7,000	250,000	9,000	45,000
40–49	415,000	67,000	11,000	405,000	10,000	80,000
50–59	418,000	54,000	21,000	405,000	10,000	83,000
60–75	145,000	20,000	5,000	140,000	4,000	36,000
Non-S&E postsecondary teachers	157,000	62,000	139,000	49,000	3,000	23,000
<30	18,000	7,000	15,000	5,000	1,000	2,000
30–39	34,000	17,000	32,000	8,000	1,000	4,000
40–49	33,000	14,000	28,000	13,000	D	2,000
50–59	44,000	15,000	40,000	15,000	D	9,000
60–75	28,000	9,000	25,000	9,000	D	5,000
Non-S&E precollege/other teachers	745,000	129,000	706,000	274,000	22,000	106,000
<30	98,000	21,000	96,000	36,000	S	11,000
30–39	164,000	34,000	157,000	66,000	3,000	20,000
40–49	204,000	30,000	193,000	75,000	6,000	32,000
50–59	213,000	31,000	201,000	74,000	11,000	38,000
60–75	66,000	14,000	61,000	24,000	D	5,000
Sales/marketing occupations	1,357,000	195,000	47,000	1,295,000	47,000	237,000
<30	151,000	21,000	6,000	144,000	5,000	24,000
30–39	348,000	65,000	9,000	332,000	12,000	64,000
40–49	362,000	51,000	18,000	351,000	15,000	51,000
50–59	315,000	38,000	13,000	300,000	7,000	59,000
60–75	181,000	20,000	S	169,000	8,000	39,000
Social services/related occupations	725,000	79,000	172,000	385,000	16,000	577,000
<30	122,000	18,000	28,000	60,000	3,000	100,000
30–39	184,000	18,000	48,000	89,000	S	146,000
40–49	149,000	17,000	34,000	85,000	1,000	115,000
50–59	198,000	16,000	46,000	114,000	8,000	160,000
60–75	71,000	9,000	16,000	37,000	D	55,000
Other non-S&E occupations	2,979,000	447,000	226,000	2,166,000	89,000	1,522,000
<30	464,000	91,000	40,000	320,000	11,000	214,000
30–39	717,000	120,000	59,000	544,000	17,000	354,000
40–49	686,000	91,000	54,000	518,000	23,000	367,000
50–59	768,000	107,000	52,000	551,000	29,000	402,000
60–75	345,000	39,000	21,000	233,000	10,000	185,000
Bachelor's degrees, all occupations	10,745,000	2,911,000	1,560,000	6,989,000	1,406,000	3,899,000
<30	1,689,000	604,000	283,000	942,000	188,000	624,000
30–39	2,714,000	806,000	381,000	1,765,000	426,000	922,000
40–49	2,993,000	759,000	443,000	2,011,000	436,000	1,050,000
50–59	2,496,000	565,000	354,000	1,671,000	287,000	978,000
60–75	853,000	176,000	98,000	600,000	69,000	325,000
S&E occupations	2,720,000	1,520,000	123,000	1,411,000	934,000	519,000
<30	490,000	344,000	45,000	186,000	137,000	88,000
30–39	751,000	425,000	21,000	380,000	292,000	142,000
40–49	797,000	407,000	27,000	453,000	295,000	151,000

TABLE 10. Employed U.S. scientists and engineers, by level of highest degree, occupation, age, and primary/secondary work activity: 2008

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, administration	Computer applications	Other
50–59	538,000	274,000	23,000	306,000	174,000	109,000
60–75	144,000	70,000	7,000	86,000	36,000	30,000
Science occupations	1,726,000	891,000	104,000	799,000	826,000	295,000
<30	327,000	223,000	41,000	110,000	120,000	55,000
30–39	503,000	261,000	18,000	224,000	261,000	89,000
40–49	506,000	233,000	24,000	260,000	261,000	83,000
50–59	323,000	144,000	17,000	169,000	152,000	59,000
60–75	67,000	30,000	5,000	36,000	32,000	9,000
Biological/agricultural/other life scientists	198,000	129,000	23,000	92,000	6,000	55,000
<30	66,000	53,000	13,000	17,000	2,000	15,000
30–39	47,000	31,000	3,000	21,000	1,000	14,000
40–49	40,000	22,000	3,000	26,000	D	11,000
50–59	40,000	20,000	3,000	26,000	S	13,000
60–75	5,000	3,000	D	3,000	D	2,000
Agricultural/food scientists	36,000	20,000	1,000	21,000	D	15,000
<30	7,000	6,000	D	2,000	D	3,000
30–39	7,000	3,000	D	4,000	D	S
40–49	9,000	5,000	D	7,000	D	3,000
50–59	12,000	6,000	D	9,000	D	6,000
60–75	D	D	D	D	D	D
Biological/medical scientists	125,000	95,000	7,000	48,000	5,000	29,000
<30	47,000	42,000	4,000	9,000	2,000	11,000
30–39	33,000	25,000	D	14,000	D	8,000
40–49	24,000	14,000	1,000	14,000	D	6,000
50–59	19,000	12,000	D	9,000	S	3,000
60–75	3,000	2,000	D	1,000	D	1,000
Environmental life scientists	22,000	7,000	1,000	18,000	D	9,000
<30	3,000	S	D	2,000	D	D
30–39	4,000	2,000	D	3,000	D	1,000
40–49	6,000	S	D	4,000	D	3,000
50–59	8,000	S	D	7,000	D	4,000
60–75	1,000	D	D	1,000	D	1,000
Postsecondary teachers-life/related sciences	15,000	7,000	13,000	4,000	D	2,000
<30	9,000	4,000	8,000	3,000	D	D
30–39	S	D	D	D	D	D
40–49	D	D	D	D	D	D
50–59	1,000	D	D	D	D	D
60–75	D	D	D	D	D	D
Computer/mathematical scientists	1,261,000	597,000	55,000	574,000	807,000	167,000
<30	180,000	109,000	11,000	65,000	113,000	24,000
30–39	390,000	191,000	10,000	171,000	258,000	54,000
40–49	413,000	188,000	18,000	199,000	257,000	55,000
50–59	230,000	91,000	11,000	113,000	148,000	31,000
60–75	48,000	19,000	4,000	25,000	30,000	4,000
Computer/information scientists	1,206,000	560,000	41,000	552,000	792,000	161,000
<30	167,000	99,000	6,000	62,000	111,000	22,000
30–39	373,000	180,000	8,000	164,000	251,000	52,000
40–49	401,000	180,000	16,000	193,000	254,000	54,000

TABLE 10. Employed U.S. scientists and engineers, by level of highest degree, occupation, age, and primary/secondary work activity: 2008

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity: Research and development	Teaching	Management, sales, administration	Computer applications	Other
50–59	220,000	84,000	9,000	110,000	147,000	30,000
60–75	45,000	17,000	S	24,000	29,000	4,000
Mathematical scientists	41,000	30,000	D	19,000	13,000	5,000
<30	7,000	7,000	D	2,000	2,000	2,000
30–39	14,000	9,000	D	7,000	6,000	2,000
40–49	10,000	8,000	D	5,000	4,000	D
50–59	7,000	5,000	D	3,000	S	D
60–75	1,000	S	D	1,000	D	D
Postsecondary teachers-computer/ mathematical sciences	15,000	8,000	14,000	2,000	2,000	1,000
<30	6,000	4,000	5,000	1,000	D	D
30–39	2,000	S	S	D	D	D
40–49	2,000	D	2,000	D	D	D
50–59	3,000	D	3,000	D	D	D
60–75	2,000	D	2,000	D	D	D
Physical/related scientists	144,000	95,000	9,000	63,000	9,000	50,000
<30	33,000	24,000	6,000	9,000	3,000	10,000
30–39	40,000	28,000	1,000	16,000	2,000	15,000
40–49	30,000	16,000	D	18,000	2,000	12,000
50–59	34,000	22,000	D	17,000	S	10,000
60–75	8,000	6,000	D	3,000	D	2,000
Chemists, except biochemists	74,000	51,000	1,000	27,000	3,000	31,000
<30	15,000	11,000	1,000	4,000	S	6,000
30–39	24,000	18,000	D	8,000	1,000	11,000
40–49	16,000	9,000	D	9,000	D	7,000
50–59	14,000	8,000	D	5,000	D	6,000
60–75	5,000	4,000	D	2,000	D	2,000
Earth/atmospheric/ocean scientists	36,000	25,000	D	21,000	3,000	9,000
<30	6,000	4,000	D	3,000	1,000	2,000
30–39	8,000	5,000	D	6,000	S	2,000
40–49	8,000	4,000	D	6,000	D	2,000
50–59	11,000	10,000	D	6,000	S	2,000
60–75	2,000	2,000	D	1,000	D	D
Physicists/astronomers	5,000	4,000	D	1,000	1,000	1,000
<30	3,000	3,000	D	D	1,000	*
30–39	1,000	1,000	D	D	D	D
40–49	D	D	D	D	D	D
50–59	D	D	D	D	D	D
60–75	D	D	D	D	D	D
Postsecondary teachers-physical/ related sciences	9,000	4,000	8,000	2,000	D	1,000
<30	7,000	4,000	6,000	1,000	D	1,000
30–39	1,000	1,000	1,000	D	D	D
40–49	D	D	D	D	D	D
50–59	D	D	D	D	D	D
60–75	D	D	D	D	D	D
Other physical/related scientists	21,000	11,000	D	11,000	D	8,000
<30	2,000	1,000	D	1,000	D	*
30–39	6,000	3,000	D	3,000	D	3,000
40–49	4,000	2,000	D	1,000	D	2,000

TABLE 10. Employed U.S. scientists and engineers, by level of highest degree, occupation, age, and primary/secondary work activity: 2008

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity: Research and development	Teaching	Management, sales, administration	Computer applications	Other
50–59	8,000	4,000	D	6,000	D	2,000
60–75	D	D	D	D	D	D
Social/related scientists	122,000	70,000	17,000	70,000	5,000	22,000
<30	48,000	37,000	10,000	20,000	2,000	7,000
30–39	27,000	11,000	3,000	16,000	D	6,000
40–49	22,000	8,000	D	17,000	1,000	4,000
50–59	20,000	11,000	D	13,000	D	4,000
60–75	5,000	S	D	4,000	D	D
Economists	6,000	5,000	D	3,000	1,000	1,000
<30	3,000	3,000	D	D	D	D
30–39	D	D	D	D	D	D
40–49	1,000	D	D	S	D	D
50–59	D	D	D	D	D	D
60–75	D	D	D	D	D	D
Political/related scientists	6,000	5,000	D	S	D	D
<30	3,000	3,000	D	D	D	D
30–39	S	D	D	D	D	D
40–49	D	D	D	D	D	D
50–59	D	D	D	D	D	D
60–75	D	D	D	D	D	D
Postsecondary teachers-social/related sciences	16,000	8,000	13,000	3,000	D	D
<30	10,000	6,000	7,000	2,000	D	D
30–39	2,000	D	2,000	D	D	D
40–49	D	D	D	D	D	D
50–59	D	D	D	D	D	D
60–75	D	D	D	D	D	D
Psychologists	19,000	14,000	3,000	6,000	D	8,000
<30	12,000	11,000	D	3,000	D	5,000
30–39	2,000	D	D	D	D	1,000
40–49	2,000	D	D	D	D	S
50–59	D	D	D	D	D	D
60–75	D	D	D	D	D	D
Sociologists/anthropologists	7,000	6,000	D	3,000	D	D
<30	5,000	4,000	D	2,000	D	D
30–39	1,000	1,000	D	D	D	D
40–49	D	D	D	D	D	D
50–59	D	D	D	D	D	D
60–75	D	D	D	D	D	D
Other social/related scientists	69,000	31,000	D	54,000	3,000	10,000
<30	16,000	10,000	D	11,000	D	S
30–39	17,000	5,000	D	13,000	D	S
40–49	17,000	6,000	D	16,000	D	2,000
50–59	13,000	8,000	D	10,000	D	S
60–75	5,000	D	D	4,000	D	D
Engineering occupations	994,000	629,000	19,000	612,000	108,000	224,000
<30	163,000	121,000	4,000	76,000	17,000	32,000
30–39	248,000	164,000	4,000	156,000	31,000	53,000
40–49	292,000	173,000	4,000	193,000	34,000	68,000
50–59	215,000	130,000	5,000	137,000	22,000	50,000
60–75	76,000	40,000	2,000	51,000	4,000	21,000

TABLE 10. Employed U.S. scientists and engineers, by level of highest degree, occupation, age, and primary/secondary work activity: 2008

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, administration	Computer applications	Other
Aerospace/aeronautical/astronautical engineers	57,000	39,000	S	29,000	10,000	11,000
<30	9,000	8,000	*	3,000	1,000	2,000
30–39	10,000	7,000	D	4,000	3,000	1,000
40–49	18,000	12,000	D	11,000	3,000	4,000
50–59	12,000	8,000	D	6,000	3,000	2,000
60–75	7,000	4,000	D	5,000	D	S
Chemical engineers	45,000	31,000	D	27,000	3,000	14,000
<30	8,000	6,000	D	4,000	1,000	3,000
30–39	15,000	11,000	D	10,000	D	3,000
40–49	12,000	8,000	D	6,000	1,000	5,000
50–59	8,000	5,000	D	5,000	1,000	2,000
60–75	2,000	2,000	D	2,000	D	1,000
Civil/architectural/sanitary engineers	176,000	85,000	3,000	137,000	8,000	41,000
<30	30,000	21,000	D	18,000	1,000	5,000
30–39	50,000	26,000	D	39,000	2,000	14,000
40–49	43,000	19,000	S	35,000	3,000	9,000
50–59	35,000	13,000	D	30,000	1,000	8,000
60–75	18,000	6,000	D	15,000	D	5,000
Electrical/computer hardware engineers	240,000	181,000	2,000	113,000	58,000	41,000
<30	33,000	25,000	D	14,000	8,000	6,000
30–39	59,000	44,000	D	27,000	18,000	12,000
40–49	78,000	58,000	D	38,000	19,000	14,000
50–59	56,000	44,000	D	26,000	11,000	7,000
60–75	15,000	11,000	D	7,000	2,000	2,000
Industrial engineers	68,000	35,000	1,000	52,000	5,000	22,000
<30	12,000	6,000	D	8,000	1,000	3,000
30–39	16,000	9,000	D	12,000	S	4,000
40–49	20,000	9,000	D	16,000	1,000	6,000
50–59	19,000	10,000	D	15,000	D	7,000
60–75	2,000	1,000	D	1,000	D	D
Mechanical engineers	198,000	151,000	3,000	117,000	9,000	37,000
<30	38,000	32,000	*	14,000	3,000	6,000
30–39	48,000	40,000	D	29,000	2,000	7,000
40–49	60,000	42,000	D	42,000	1,000	13,000
50–59	39,000	28,000	D	22,000	2,000	8,000
60–75	14,000	8,000	D	9,000	1,000	3,000
Postsecondary teachers-engineering	6,000	2,000	5,000	1,000	S	S
<30	2,000	S	1,000	D	D	D
30–39	D	D	D	D	D	D
40–49	1,000	D	1,000	D	D	D
50–59	2,000	D	2,000	D	D	D
60–75	1,000	D	1,000	D	D	D
Other engineers	204,000	105,000	4,000	137,000	14,000	59,000
<30	31,000	21,000	2,000	16,000	2,000	7,000
30–39	50,000	26,000	1,000	34,000	3,000	11,000
40–49	61,000	26,000	D	44,000	5,000	17,000
50–59	45,000	23,000	1,000	32,000	3,000	15,000
60–75	18,000	8,000	D	12,000	D	8,000

TABLE 10. Employed U.S. scientists and engineers, by level of highest degree, occupation, age, and primary/secondary work activity: 2008

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, administration	Computer applications	Other
S&E-related occupations	2,910,000	612,000	771,000	1,468,000	272,000	1,817,000
<30	369,000	100,000	111,000	139,000	24,000	255,000
30–39	728,000	180,000	202,000	363,000	83,000	428,000
40–49	865,000	165,000	222,000	469,000	92,000	522,000
50–59	729,000	129,000	186,000	373,000	59,000	477,000
60–75	219,000	38,000	49,000	124,000	14,000	135,000
Health occupations	1,899,000	227,000	521,000	847,000	50,000	1,604,000
<30	266,000	46,000	73,000	95,000	5,000	233,000
30–39	451,000	59,000	131,000	198,000	11,000	383,000
40–49	555,000	55,000	154,000	267,000	17,000	459,000
50–59	487,000	53,000	127,000	220,000	15,000	415,000
60–75	139,000	13,000	36,000	67,000	S	115,000
S&E managers, including health	265,000	70,000	S	259,000	42,000	46,000
<30	6,000	1,000	D	6,000	D	1,000
30–39	66,000	20,000	D	64,000	13,000	9,000
40–49	92,000	24,000	D	90,000	19,000	14,000
50–59	77,000	17,000	D	75,000	7,000	17,000
60–75	25,000	7,000	D	25,000	3,000	4,000
S&E precollege teachers	244,000	65,000	234,000	100,000	6,000	11,000
<30	38,000	9,000	38,000	19,000	D	2,000
30–39	72,000	29,000	68,000	29,000	D	1,000
40–49	63,000	13,000	61,000	27,000	D	4,000
50–59	56,000	11,000	54,000	19,000	2,000	3,000
60–75	14,000	1,000	13,000	6,000	D	D
S&E technicians/technologists	355,000	176,000	11,000	153,000	165,000	96,000
<30	52,000	39,000	S	14,000	16,000	17,000
30–39	99,000	50,000	D	44,000	54,000	23,000
40–49	107,000	48,000	6,000	52,000	51,000	26,000
50–59	76,000	32,000	3,000	30,000	35,000	23,000
60–75	22,000	7,000	D	13,000	9,000	7,000
Other S&E-related occupations	148,000	74,000	D	108,000	9,000	59,000
<30	7,000	4,000	D	4,000	2,000	2,000
30–39	41,000	22,000	D	29,000	4,000	12,000
40–49	47,000	24,000	D	34,000	2,000	20,000
50–59	34,000	16,000	D	29,000	D	17,000
60–75	19,000	9,000	D	13,000	D	8,000
Non-S&E occupations	5,115,000	779,000	666,000	4,110,000	199,000	1,563,000
<30	830,000	160,000	127,000	617,000	27,000	281,000
30–39	1,235,000	201,000	158,000	1,022,000	50,000	353,000
40–49	1,331,000	187,000	194,000	1,089,000	50,000	377,000
50–59	1,229,000	162,000	146,000	992,000	54,000	393,000
60–75	490,000	69,000	42,000	390,000	19,000	160,000
Arts/humanities/related occupations	180,000	56,000	14,000	120,000	13,000	72,000
<30	31,000	9,000	4,000	20,000	2,000	13,000
30–39	54,000	21,000	5,000	38,000	6,000	17,000
40–49	44,000	12,000	S	25,000	4,000	23,000
50–59	35,000	9,000	D	26,000	D	11,000
60–75	15,000	5,000	D	12,000	D	7,000
Management-related occupations	766,000	143,000	41,000	701,000	47,000	192,000
<30	143,000	37,000	3,000	126,000	7,000	38,000
30–39	203,000	36,000	12,000	187,000	13,000	49,000

TABLE 10. Employed U.S. scientists and engineers, by level of highest degree, occupation, age, and primary/secondary work activity: 2008

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, administration	Computer applications	Other
40–49	202,000	34,000	12,000	186,000	11,000	41,000
50–59	158,000	25,000	11,000	147,000	12,000	43,000
60–75	60,000	11,000	S	55,000	4,000	20,000
Non-S&E managers	596,000	76,000	13,000	584,000	19,000	102,000
<30	18,000	2,000	D	17,000	D	3,000
30–39	134,000	17,000	S	133,000	6,000	15,000
40–49	197,000	30,000	2,000	194,000	5,000	31,000
50–59	195,000	20,000	9,000	189,000	6,000	41,000
60–75	52,000	8,000	D	51,000	D	11,000
Non-S&E postsecondary teachers	27,000	8,000	21,000	11,000	2,000	4,000
<30	10,000	4,000	7,000	3,000	D	S
30–39	3,000	D	3,000	D	D	D
40–49	4,000	1,000	4,000	S	D	D
50–59	6,000	D	4,000	3,000	D	D
60–75	4,000	S	3,000	D	D	D
Non-S&E precollege/other teachers	353,000	57,000	338,000	123,000	11,000	46,000
<30	59,000	11,000	57,000	24,000	D	5,000
30–39	71,000	15,000	69,000	24,000	D	9,000
40–49	124,000	16,000	118,000	45,000	S	20,000
50–59	75,000	10,000	71,000	23,000	5,000	10,000
60–75	25,000	5,000	23,000	8,000	D	D
Sales/marketing occupations	1,019,000	138,000	39,000	977,000	32,000	164,000
<30	138,000	19,000	5,000	131,000	4,000	22,000
30–39	261,000	43,000	8,000	250,000	10,000	46,000
40–49	272,000	38,000	14,000	264,000	9,000	35,000
50–59	231,000	26,000	10,000	221,000	5,000	41,000
60–75	116,000	13,000	D	111,000	5,000	22,000
Social services/related occupations	256,000	25,000	55,000	146,000	10,000	188,000
<30	71,000	9,000	16,000	37,000	3,000	55,000
30–39	66,000	7,000	19,000	30,000	D	49,000
40–49	54,000	6,000	8,000	38,000	D	36,000
50–59	53,000	D	9,000	35,000	5,000	41,000
60–75	12,000	D	3,000	7,000	D	7,000
Other non-S&E occupations	1,918,000	275,000	147,000	1,447,000	66,000	796,000
<30	362,000	70,000	33,000	261,000	10,000	143,000
30–39	443,000	62,000	40,000	359,000	13,000	168,000
40–49	433,000	51,000	34,000	335,000	16,000	189,000
50–59	475,000	70,000	30,000	347,000	20,000	205,000
60–75	205,000	23,000	10,000	146,000	7,000	91,000
Master's degrees, all occupations	5,690,000	1,705,000	1,367,000	3,481,000	663,000	1,896,000
<30	488,000	199,000	137,000	210,000	69,000	178,000
30–39	1,490,000	534,000	351,000	876,000	205,000	464,000
40–49	1,535,000	444,000	328,000	1,009,000	200,000	477,000
50–59	1,549,000	382,000	410,000	985,000	144,000	538,000
60–75	628,000	145,000	142,000	401,000	44,000	239,000
S&E occupations	1,519,000	883,000	143,000	742,000	470,000	297,000
<30	173,000	121,000	20,000	52,000	56,000	32,000
30–39	462,000	296,000	37,000	215,000	157,000	75,000
40–49	421,000	232,000	27,000	234,000	145,000	73,000
50–59	335,000	179,000	33,000	177,000	90,000	81,000
60–75	127,000	55,000	26,000	64,000	23,000	36,000

TABLE 10. Employed U.S. scientists and engineers, by level of highest degree, occupation, age, and primary/secondary work activity: 2008

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity: Research and development	Teaching	Management, sales, administration	Computer applications	Other
Science occupations	1,038,000	553,000	128,000	458,000	408,000	213,000
<30	117,000	76,000	17,000	34,000	43,000	23,000
30–39	328,000	197,000	33,000	139,000	138,000	53,000
40–49	284,000	144,000	24,000	143,000	130,000	51,000
50–59	227,000	107,000	29,000	107,000	77,000	60,000
60–75	83,000	28,000	25,000	35,000	20,000	25,000
Biological/agricultural/other life scientists	128,000	93,000	17,000	57,000	11,000	24,000
<30	18,000	15,000	2,000	5,000	1,000	3,000
30–39	40,000	32,000	6,000	15,000	4,000	6,000
40–49	29,000	21,000	3,000	15,000	S	4,000
50–59	32,000	21,000	3,000	16,000	S	8,000
60–75	9,000	4,000	3,000	5,000	D	2,000
Agricultural/food scientists	15,000	12,000	D	9,000	D	3,000
<30	2,000	1,000	D	1,000	D	D
30–39	5,000	3,000	D	3,000	D	D
40–49	3,000	3,000	D	3,000	D	D
50–59	5,000	4,000	D	2,000	D	D
60–75	S	D	D	D	D	D
Biological/medical scientists	86,000	69,000	3,000	35,000	9,000	16,000
<30	13,000	11,000	S	3,000	1,000	2,000
30–39	28,000	24,000	S	9,000	4,000	4,000
40–49	23,000	18,000	S	11,000	S	4,000
50–59	18,000	13,000	D	10,000	1,000	5,000
60–75	4,000	3,000	D	2,000	D	1,000
Environmental life scientists	11,000	5,000	D	7,000	D	3,000
<30	1,000	1,000	D	1,000	D	D
30–39	3,000	2,000	D	2,000	D	D
40–49	1,000	D	D	S	D	D
50–59	5,000	2,000	D	3,000	D	D
60–75	D	D	D	D	D	D
Postsecondary teachers-life/related sciences	16,000	7,000	13,000	4,000	D	1,000
<30	2,000	S	2,000	*	D	D
30–39	5,000	3,000	4,000	1,000	D	D
40–49	2,000	D	2,000	1,000	D	D
50–59	4,000	D	2,000	1,000	D	D
60–75	3,000	D	3,000	D	D	D
Computer/mathematical scientists	608,000	304,000	50,000	265,000	383,000	63,000
<30	55,000	32,000	4,000	16,000	38,000	5,000
30–39	201,000	110,000	15,000	87,000	129,000	17,000
40–49	188,000	92,000	8,000	88,000	124,000	22,000
50–59	124,000	57,000	13,000	56,000	72,000	15,000
60–75	39,000	13,000	10,000	18,000	19,000	4,000
Computer/information scientists	523,000	257,000	11,000	237,000	361,000	56,000
<30	48,000	27,000	D	15,000	36,000	4,000
30–39	174,000	90,000	5,000	80,000	124,000	15,000
40–49	169,000	82,000	2,000	79,000	116,000	21,000
50–59	107,000	49,000	4,000	50,000	67,000	14,000
60–75	26,000	9,000	D	13,000	18,000	2,000

TABLE 10. Employed U.S. scientists and engineers, by level of highest degree, occupation, age, and primary/secondary work activity: 2008

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity: Research and development	Teaching	Management, sales, administration	Computer applications	Other
Mathematical scientists	46,000	34,000	S	18,000	19,000	4,000
<30	4,000	4,000	*	1,000	2,000	1,000
30–39	18,000	16,000	D	6,000	5,000	1,000
40–49	13,000	7,000	D	7,000	7,000	D
50–59	7,000	5,000	D	3,000	4,000	D
60–75	3,000	2,000	D	D	D	D
Postsecondary teachers-computer/ mathematical sciences	39,000	13,000	37,000	10,000	3,000	3,000
<30	4,000	2,000	3,000	1,000	*	D
30–39	9,000	5,000	9,000	1,000	D	S
40–49	6,000	2,000	6,000	2,000	S	D
50–59	9,000	2,000	9,000	3,000	1,000	1,000
60–75	11,000	1,000	10,000	3,000	D	D
Physical/related scientists	84,000	57,000	14,000	38,000	6,000	19,000
<30	10,000	9,000	2,000	2,000	2,000	2,000
30–39	22,000	16,000	3,000	8,000	2,000	5,000
40–49	25,000	16,000	4,000	14,000	2,000	5,000
50–59	20,000	13,000	3,000	10,000	1,000	6,000
60–75	8,000	3,000	2,000	3,000	D	2,000
Chemists, except biochemists	26,000	19,000	1,000	10,000	*	7,000
<30	3,000	3,000	*	*	D	1,000
30–39	7,000	6,000	D	2,000	D	2,000
40–49	9,000	6,000	D	5,000	D	2,000
50–59	4,000	3,000	D	2,000	D	2,000
60–75	3,000	1,000	D	2,000	D	1,000
Earth/atmospheric/ocean scientists	30,000	22,000	D	17,000	3,000	8,000
<30	3,000	3,000	D	1,000	1,000	1,000
30–39	7,000	6,000	D	3,000	1,000	2,000
40–49	8,000	6,000	D	5,000	S	3,000
50–59	10,000	7,000	D	7,000	D	3,000
60–75	2,000	1,000	D	1,000	D	D
Physicists/astronomers	6,000	5,000	D	2,000	2,000	1,000
<30	2,000	2,000	D	D	1,000	D
30–39	2,000	2,000	D	1,000	*	D
40–49	1,000	1,000	D	D	D	D
50–59	1,000	D	D	D	D	D
60–75	D	D	D	D	D	D
Postsecondary teachers-physical/ related sciences	12,000	5,000	12,000	2,000	S	*
<30	2,000	1,000	2,000	1,000	D	D
30–39	3,000	1,000	3,000	S	D	D
40–49	3,000	S	3,000	D	D	D
50–59	2,000	S	2,000	D	D	D
60–75	2,000	D	2,000	D	D	D
Other physical/related scientists	10,000	5,000	D	7,000	S	2,000
<30	1,000	1,000	D	1,000	D	D
30–39	2,000	1,000	D	2,000	D	1,000
40–49	4,000	2,000	D	3,000	D	1,000
50–59	2,000	1,000	D	1,000	D	D
60–75	D	D	D	D	D	D

TABLE 10. Employed U.S. scientists and engineers, by level of highest degree, occupation, age, and primary/secondary work activity: 2008

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity: Research and development	Teaching	Management, sales, administration	Computer applications	Other
Social/related scientists	218,000	99,000	47,000	99,000	7,000	107,000
<30	33,000	20,000	9,000	10,000	2,000	14,000
30–39	65,000	39,000	10,000	29,000	3,000	25,000
40–49	42,000	16,000	9,000	26,000	D	19,000
50–59	51,000	16,000	10,000	24,000	D	31,000
60–75	27,000	8,000	9,000	10,000	D	17,000
Economists	15,000	7,000	D	8,000	2,000	6,000
<30	2,000	2,000	D	1,000	S	1,000
30–39	5,000	4,000	D	3,000	*	1,000
40–49	5,000	1,000	D	3,000	D	3,000
50–59	1,000	D	D	1,000	D	D
60–75	1,000	D	D	S	D	1,000
Political/related scientists	10,000	5,000	D	5,000	D	6,000
<30	3,000	2,000	D	1,000	D	S
30–39	3,000	3,000	D	1,000	D	S
40–49	D	D	D	D	D	D
50–59	D	D	D	D	D	D
60–75	D	D	D	D	D	D
Postsecondary teachers-social/ related sciences	33,000	16,000	30,000	6,000	S	5,000
<30	6,000	2,000	6,000	1,000	D	D
30–39	7,000	4,000	7,000	1,000	D	*
40–49	7,000	4,000	6,000	2,000	D	1,000
50–59	6,000	3,000	6,000	1,000	D	D
60–75	7,000	3,000	6,000	2,000	D	2,000
Psychologists	95,000	28,000	14,000	37,000	D	78,000
<30	14,000	7,000	3,000	4,000	D	10,000
30–39	23,000	11,000	2,000	7,000	D	16,000
40–49	15,000	3,000	2,000	9,000	D	11,000
50–59	29,000	5,000	4,000	14,000	D	26,000
60–75	15,000	3,000	4,000	4,000	D	13,000
Sociologists/anthropologists	9,000	8,000	S	6,000	D	1,000
<30	3,000	3,000	D	2,000	D	D
30–39	3,000	2,000	D	2,000	D	D
40–49	1,000	S	D	D	D	D
50–59	S	S	D	S	D	D
60–75	1,000	1,000	D	D	D	D
Other social/related scientists	56,000	34,000	2,000	37,000	4,000	13,000
<30	6,000	5,000	D	3,000	D	S
30–39	23,000	16,000	D	15,000	1,000	5,000
40–49	13,000	6,000	D	11,000	D	3,000
50–59	11,000	6,000	D	6,000	D	2,000
60–75	3,000	D	D	2,000	D	D
Engineering occupations	480,000	330,000	14,000	284,000	62,000	84,000
<30	56,000	46,000	2,000	18,000	13,000	9,000
30–39	134,000	98,000	4,000	76,000	19,000	22,000
40–49	137,000	87,000	3,000	91,000	14,000	22,000
50–59	109,000	71,000	4,000	70,000	13,000	21,000
60–75	45,000	27,000	1,000	29,000	3,000	11,000

TABLE 10. Employed U.S. scientists and engineers, by level of highest degree, occupation, age, and primary/secondary work activity: 2008

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, administration	Computer applications	Other
Aerospace/aeronautical/astronautical engineers	37,000	23,000	1,000	22,000	5,000	7,000
<30	3,000	3,000	*	1,000	1,000	*
30–39	10,000	7,000	D	5,000	1,000	2,000
40–49	10,000	6,000	D	7,000	1,000	2,000
50–59	8,000	4,000	D	5,000	2,000	1,000
60–75	6,000	3,000	D	4,000	D	3,000
Chemical engineers	23,000	17,000	D	14,000	3,000	5,000
<30	2,000	2,000	D	1,000	*	*
30–39	5,000	3,000	D	3,000	1,000	2,000
40–49	6,000	4,000	D	3,000	D	1,000
50–59	7,000	5,000	D	5,000	D	1,000
60–75	3,000	2,000	D	2,000	D	1,000
Civil/architectural/sanitary engineers	76,000	47,000	*	56,000	4,000	16,000
<30	9,000	7,000	D	4,000	1,000	2,000
30–39	22,000	13,000	D	17,000	1,000	4,000
40–49	18,000	10,000	D	15,000	S	3,000
50–59	19,000	13,000	D	15,000	1,000	5,000
60–75	8,000	4,000	D	5,000	D	3,000
Electrical/computer hardware engineers	133,000	102,000	2,000	57,000	33,000	16,000
<30	17,000	14,000	D	4,000	8,000	3,000
30–39	39,000	32,000	D	14,000	11,000	4,000
40–49	42,000	28,000	D	23,000	8,000	5,000
50–59	26,000	21,000	D	12,000	5,000	3,000
60–75	9,000	6,000	D	4,000	1,000	1,000
Industrial engineers	23,000	12,000	D	17,000	2,000	7,000
<30	3,000	2,000	D	2,000	*	1,000
30–39	7,000	4,000	D	6,000	*	2,000
40–49	8,000	5,000	D	5,000	D	2,000
50–59	4,000	1,000	D	2,000	1,000	2,000
60–75	1,000	D	D	1,000	D	D
Mechanical engineers	91,000	73,000	1,000	54,000	6,000	12,000
<30	11,000	10,000	D	3,000	1,000	1,000
30–39	27,000	22,000	D	15,000	1,000	3,000
40–49	26,000	22,000	D	17,000	1,000	3,000
50–59	19,000	14,000	D	13,000	1,000	3,000
60–75	9,000	6,000	D	6,000	D	1,000
Postsecondary teachers-engineering	8,000	4,000	7,000	2,000	*	*
<30	2,000	1,000	2,000	*	*	D
30–39	1,000	1,000	1,000	*	D	D
40–49	2,000	S	2,000	D	D	D
50–59	1,000	D	1,000	D	D	D
60–75	1,000	D	1,000	D	D	D
Other engineers	90,000	52,000	S	60,000	9,000	20,000
<30	9,000	7,000	*	3,000	1,000	2,000
30–39	23,000	15,000	*	15,000	3,000	4,000
40–49	24,000	11,000	D	19,000	2,000	7,000
50–59	25,000	13,000	D	17,000	2,000	6,000
60–75	9,000	5,000	D	6,000	D	2,000
S&E-related occupations	1,404,000	336,000	574,000	710,000	101,000	653,000
<30	113,000	28,000	51,000	42,000	6,000	65,000
30–39	365,000	104,000	152,000	174,000	31,000	162,000

TABLE 10. Employed U.S. scientists and engineers, by level of highest degree, occupation, age, and primary/secondary work activity: 2008

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, administration	Computer applications	Other
40–49	392,000	91,000	159,000	208,000	30,000	182,000
50–59	402,000	79,000	169,000	219,000	26,000	179,000
60–75	132,000	34,000	44,000	68,000	8,000	65,000
Health occupations	724,000	120,000	247,000	299,000	15,000	560,000
<30	71,000	16,000	21,000	21,000	1,000	61,000
30–39	189,000	36,000	59,000	79,000	S	144,000
40–49	190,000	29,000	68,000	73,000	3,000	154,000
50–59	205,000	28,000	79,000	95,000	4,000	148,000
60–75	69,000	12,000	19,000	31,000	3,000	53,000
S&E managers, including health	194,000	54,000	2,000	189,000	22,000	32,000
<30	3,000	S	D	2,000	D	D
30–39	36,000	9,000	D	36,000	6,000	4,000
40–49	70,000	22,000	D	68,000	9,000	11,000
50–59	68,000	17,000	D	66,000	7,000	13,000
60–75	18,000	4,000	D	17,000	1,000	4,000
S&E precollege teachers	334,000	81,000	323,000	143,000	12,000	16,000
<30	29,000	5,000	29,000	14,000	1,000	S
30–39	94,000	32,000	92,000	39,000	S	4,000
40–49	93,000	20,000	89,000	43,000	4,000	5,000
50–59	90,000	17,000	89,000	35,000	4,000	3,000
60–75	28,000	7,000	24,000	12,000	D	3,000
S&E technicians/technologists	85,000	45,000	1,000	31,000	48,000	16,000
<30	8,000	6,000	D	2,000	3,000	2,000
30–39	28,000	17,000	D	8,000	18,000	2,000
40–49	21,000	10,000	D	9,000	13,000	3,000
50–59	19,000	8,000	D	7,000	10,000	6,000
60–75	8,000	3,000	D	4,000	3,000	3,000
Other S&E-related occupations	67,000	36,000	D	47,000	3,000	29,000
<30	2,000	*	D	1,000	S	1,000
30–39	18,000	11,000	D	13,000	D	7,000
40–49	18,000	9,000	D	13,000	D	9,000
50–59	20,000	8,000	D	16,000	D	10,000
60–75	9,000	8,000	D	4,000	D	2,000
Non-S&E occupations	2,768,000	486,000	651,000	2,030,000	92,000	946,000
<30	201,000	49,000	66,000	117,000	7,000	81,000
30–39	663,000	134,000	162,000	487,000	17,000	228,000
40–49	722,000	122,000	142,000	567,000	26,000	222,000
50–59	812,000	125,000	208,000	589,000	29,000	277,000
60–75	369,000	56,000	72,000	270,000	13,000	138,000
Arts/humanities/related occupations	95,000	32,000	12,000	61,000	5,000	32,000
<30	6,000	2,000	D	4,000	D	2,000
30–39	22,000	9,000	D	14,000	D	6,000
40–49	25,000	10,000	6,000	12,000	D	7,000
50–59	27,000	6,000	D	22,000	D	11,000
60–75	16,000	6,000	D	10,000	D	6,000
Management-related occupations	479,000	94,000	19,000	436,000	25,000	118,000
<30	33,000	9,000	1,000	28,000	3,000	7,000
30–39	105,000	26,000	3,000	98,000	5,000	21,000
40–49	145,000	25,000	4,000	133,000	7,000	36,000
50–59	132,000	26,000	6,000	121,000	6,000	33,000
60–75	64,000	8,000	4,000	56,000	3,000	21,000

TABLE 10. Employed U.S. scientists and engineers, by level of highest degree, occupation, age, and primary/secondary work activity: 2008

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, administration	Computer applications	Other
Non-S&E managers	531,000	69,000	26,000	519,000	13,000	107,000
<30	9,000	2,000	1,000	9,000	*	1,000
30–39	106,000	14,000	5,000	104,000	3,000	21,000
40–49	183,000	26,000	6,000	181,000	5,000	38,000
50–59	167,000	21,000	10,000	162,000	4,000	28,000
60–75	66,000	6,000	4,000	63,000	S	19,000
Non-S&E postsecondary teachers	73,000	24,000	64,000	24,000	S	9,000
<30	8,000	3,000	7,000	S	S	D
30–39	21,000	8,000	19,000	6,000	D	3,000
40–49	15,000	5,000	11,000	7,000	D	D
50–59	18,000	4,000	16,000	6,000	D	4,000
60–75	11,000	4,000	10,000	3,000	D	1,000
Non-S&E precollege/other teachers	378,000	70,000	355,000	145,000	11,000	59,000
<30	39,000	10,000	38,000	12,000	D	5,000
30–39	91,000	18,000	86,000	42,000	S	12,000
40–49	77,000	13,000	72,000	30,000	D	12,000
50–59	134,000	20,000	125,000	48,000	6,000	27,000
60–75	37,000	8,000	34,000	13,000	D	3,000
Sales/marketing occupations	296,000	49,000	7,000	279,000	12,000	58,000
<30	13,000	3,000	D	12,000	D	3,000
30–39	81,000	21,000	1,000	77,000	3,000	17,000
40–49	77,000	12,000	3,000	74,000	5,000	12,000
50–59	72,000	9,000	S	69,000	2,000	12,000
60–75	53,000	6,000	D	48,000	D	14,000
Social services/related occupations	435,000	52,000	103,000	221,000	6,000	365,000
<30	52,000	9,000	11,000	23,000	D	45,000
30–39	117,000	11,000	28,000	58,000	S	97,000
40–49	89,000	12,000	25,000	44,000	D	73,000
50–59	129,000	13,000	30,000	69,000	3,000	110,000
60–75	49,000	7,000	10,000	27,000	D	39,000
Other non-S&E occupations	481,000	96,000	65,000	344,000	19,000	198,000
<30	42,000	11,000	6,000	28,000	1,000	16,000
30–39	120,000	27,000	19,000	88,000	S	51,000
40–49	111,000	20,000	15,000	86,000	6,000	43,000
50–59	134,000	26,000	16,000	93,000	7,000	52,000
60–75	75,000	11,000	8,000	49,000	3,000	36,000
Doctoral degrees, all occupations	934,000	575,000	300,000	397,000	76,000	211,000
<30	26,000	22,000	4,000	4,000	4,000	5,000
30–39	197,000	149,000	60,000	63,000	20,000	39,000
40–49	254,000	163,000	75,000	119,000	24,000	47,000
50–59	267,000	148,000	90,000	129,000	16,000	67,000
60–75	190,000	93,000	71,000	82,000	12,000	54,000
S&E occupations	592,000	433,000	190,000	191,000	66,000	103,000
<30	21,000	19,000	3,000	3,000	3,000	2,000
30–39	147,000	121,000	40,000	40,000	19,000	21,000
40–49	165,000	124,000	50,000	61,000	20,000	23,000
50–59	149,000	102,000	53,000	53,000	14,000	31,000
60–75	109,000	67,000	43,000	34,000	10,000	25,000

TABLE 10. Employed U.S. scientists and engineers, by level of highest degree, occupation, age, and primary/secondary work activity: 2008

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, administration	Computer applications	Other
Science occupations	485,000	342,000	168,000	159,000	53,000	91,000
<30	16,000	14,000	3,000	3,000	2,000	1,000
30–39	117,000	94,000	35,000	33,000	14,000	19,000
40–49	135,000	98,000	44,000	50,000	17,000	21,000
50–59	126,000	83,000	48,000	46,000	12,000	29,000
60–75	89,000	53,000	38,000	28,000	8,000	22,000
Biological/agricultural/other life scientists	156,000	132,000	36,000	60,000	5,000	18,000
<30	6,000	6,000	D	1,000	*	*
30–39	42,000	38,000	7,000	13,000	2,000	4,000
40–49	47,000	40,000	10,000	20,000	1,000	5,000
50–59	40,000	32,000	12,000	17,000	1,000	5,000
60–75	21,000	16,000	8,000	8,000	1,000	3,000
Agricultural/food scientists	11,000	9,000	*	5,000	*	2,000
<30	*	*	D	D	D	D
30–39	2,000	1,000	D	1,000	D	*
40–49	3,000	3,000	D	1,000	D	*
50–59	4,000	3,000	D	2,000	D	1,000
60–75	2,000	1,000	D	1,000	D	*
Biological/medical scientists	108,000	100,000	3,000	45,000	4,000	13,000
<30	6,000	6,000	D	1,000	*	*
30–39	33,000	32,000	1,000	12,000	2,000	3,000
40–49	33,000	30,000	*	15,000	1,000	4,000
50–59	24,000	21,000	1,000	12,000	*	3,000
60–75	12,000	11,000	1,000	6,000	1,000	2,000
Environmental life scientists	2,000	1,000	D	1,000	D	*
<30	D	D	D	D	D	D
30–39	*	*	D	*	D	D
40–49	*	*	D	*	D	*
50–59	1,000	*	D	*	D	D
60–75	*	*	D	D	D	D
Postsecondary teachers-life/related sciences	35,000	22,000	33,000	9,000	*	2,000
<30	D	D	D	D	D	D
30–39	6,000	4,000	6,000	1,000	D	1,000
40–49	10,000	7,000	10,000	3,000	D	1,000
50–59	11,000	7,000	11,000	3,000	D	1,000
60–75	7,000	4,000	7,000	2,000	D	*
Computer/mathematical scientists	92,000	61,000	30,000	25,000	38,000	8,000
<30	3,000	2,000	1,000	1,000	1,000	D
30–39	23,000	17,000	7,000	5,000	9,000	2,000
40–49	29,000	19,000	7,000	8,000	13,000	2,000
50–59	21,000	14,000	8,000	6,000	9,000	2,000
60–75	16,000	9,000	7,000	5,000	5,000	2,000
Computer/information scientists	46,000	29,000	1,000	15,000	30,000	4,000
<30	1,000	1,000	D	1,000	1,000	D
30–39	11,000	7,000	D	4,000	6,000	S
40–49	17,000	11,000	*	5,000	12,000	1,000
50–59	10,000	6,000	D	3,000	7,000	1,000
60–75	7,000	4,000	S	3,000	4,000	*
Mathematical scientists	17,000	14,000	*	5,000	6,000	2,000
<30	1,000	1,000	D	D	*	D
30–39	5,000	4,000	D	1,000	2,000	*

TABLE 10. Employed U.S. scientists and engineers, by level of highest degree, occupation, age, and primary/secondary work activity: 2008

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity: Research and development	Teaching	Management, sales, administration	Computer applications	Other
40–49	5,000	4,000	D	2,000	2,000	*
50–59	4,000	3,000	*	1,000	1,000	1,000
60–75	3,000	2,000	D	1,000	1,000	S
Postsecondary teachers-computer/ mathematical sciences	29,000	18,000	29,000	5,000	2,000	2,000
<30	1,000	1,000	1,000	D	D	D
30–39	7,000	5,000	7,000	1,000	S	*
40–49	7,000	4,000	7,000	2,000	*	*
50–59	8,000	5,000	8,000	1,000	1,000	1,000
60–75	6,000	3,000	6,000	1,000	*	*
Physical/related scientists	93,000	74,000	33,000	29,000	8,000	9,000
<30	4,000	4,000	*	*	1,000	*
30–39	22,000	19,000	8,000	6,000	2,000	2,000
40–49	26,000	20,000	9,000	10,000	1,000	2,000
50–59	23,000	18,000	9,000	8,000	2,000	2,000
60–75	18,000	13,000	7,000	5,000	2,000	2,000
Chemists, except biochemists	29,000	25,000	1,000	12,000	1,000	4,000
<30	2,000	2,000	D	*	D	D
30–39	7,000	6,000	*	2,000	*	1,000
40–49	9,000	8,000	D	4,000	D	1,000
50–59	8,000	6,000	*	3,000	*	1,000
60–75	4,000	3,000	*	2,000	*	1,000
Earth/atmospheric/ocean scientists	12,000	11,000	*	4,000	2,000	1,000
<30	1,000	1,000	D	D	D	D
30–39	3,000	2,000	D	1,000	1,000	*
40–49	3,000	2,000	D	1,000	1,000	*
50–59	3,000	3,000	*	2,000	1,000	1,000
60–75	3,000	2,000	D	1,000	*	*
Physicists/astronomers	16,000	15,000	*	4,000	4,000	1,000
<30	1,000	1,000	D	D	*	D
30–39	4,000	4,000	D	1,000	1,000	*
40–49	4,000	3,000	D	1,000	1,000	*
50–59	4,000	3,000	*	1,000	1,000	*
60–75	4,000	4,000	D	1,000	1,000	*
Postsecondary teachers-physical/ related sciences	32,000	19,000	32,000	7,000	*	2,000
<30	*	*	*	D	D	D
30–39	8,000	5,000	8,000	2,000	D	1,000
40–49	9,000	5,000	9,000	2,000	D	1,000
50–59	8,000	5,000	8,000	1,000	D	*
60–75	7,000	3,000	6,000	1,000	D	*
Other physical/related scientists	4,000	4,000	*	2,000	*	1,000
<30	1,000	1,000	D	D	D	D
30–39	1,000	1,000	D	*	D	*
40–49	1,000	1,000	D	*	D	*
50–59	1,000	1,000	D	*	D	*
60–75	1,000	1,000	D	1,000	D	*
Social/related scientists	144,000	75,000	68,000	46,000	3,000	57,000
<30	3,000	2,000	1,000	1,000	D	S
30–39	30,000	21,000	13,000	9,000	1,000	10,000
40–49	34,000	19,000	17,000	12,000	1,000	12,000

TABLE 10. Employed U.S. scientists and engineers, by level of highest degree, occupation, age, and primary/secondary work activity: 2008

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity: Research and development	Teaching	Management, sales, administration	Computer applications	Other
50–59	42,000	19,000	19,000	15,000	1,000	19,000
60–75	34,000	15,000	17,000	10,000	*	15,000
Economists	8,000	7,000	*	3,000	1,000	2,000
<30	*	*	D	D	D	D
30–39	2,000	2,000	D	1,000	*	1,000
40–49	2,000	2,000	D	1,000	*	1,000
50–59	2,000	2,000	D	1,000	*	1,000
60–75	2,000	1,000	D	1,000	*	1,000
Political/related scientists	1,000	1,000	*	1,000	D	*
<30	D	D	D	D	D	D
30–39	*	*	D	*	D	D
40–49	*	*	D	*	D	D
50–59	*	*	D	*	D	D
60–75	*	*	D	D	D	D
Postsecondary teachers-social/ related sciences	65,000	41,000	62,000	12,000	*	6,000
<30	1,000	1,000	1,000	D	D	D
30–39	13,000	10,000	13,000	1,000	D	1,000
40–49	17,000	10,000	16,000	3,000	D	2,000
50–59	18,000	11,000	17,000	4,000	D	2,000
60–75	16,000	9,000	15,000	3,000	D	1,000
Psychologists	56,000	15,000	5,000	25,000	1,000	45,000
<30	1,000	*	D	*	D	S
30–39	11,000	5,000	1,000	5,000	S	8,000
40–49	12,000	4,000	1,000	6,000	D	9,000
50–59	17,000	3,000	2,000	8,000	*	15,000
60–75	15,000	3,000	2,000	6,000	D	13,000
Sociologists/anthropologists	4,000	4,000	*	2,000	*	1,000
<30	D	D	D	D	D	D
30–39	1,000	1,000	D	1,000	D	*
40–49	1,000	1,000	D	1,000	D	*
50–59	1,000	1,000	D	1,000	D	*
60–75	1,000	1,000	D	*	D	*
Other social/related scientists	9,000	8,000	1,000	4,000	1,000	2,000
<30	D	D	D	D	D	D
30–39	2,000	2,000	D	1,000	*	*
40–49	2,000	2,000	D	1,000	*	*
50–59	3,000	2,000	*	1,000	D	1,000
60–75	1,000	1,000	D	*	D	*
Engineering occupations	107,000	91,000	22,000	32,000	13,000	12,000
<30	5,000	5,000	*	1,000	1,000	*
30–39	30,000	27,000	5,000	7,000	5,000	3,000
40–49	30,000	25,000	5,000	11,000	3,000	3,000
50–59	23,000	19,000	6,000	8,000	2,000	3,000
60–75	19,000	15,000	5,000	6,000	2,000	3,000
Aerospace/aeronautical/astronautical engineers	7,000	6,000	D	2,000	1,000	*
<30	*	*	D	D	D	D
30–39	1,000	1,000	D	*	*	*
40–49	2,000	2,000	D	1,000	*	D
50–59	2,000	1,000	D	1,000	*	D
60–75	2,000	2,000	D	*	*	D

TABLE 10. Employed U.S. scientists and engineers, by level of highest degree, occupation, age, and primary/secondary work activity: 2008

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, administration	Computer applications	Other
Chemical engineers	9,000	8,000	D	3,000	1,000	1,000
<30	*	*	D	D	D	D
30–39	2,000	2,000	D	1,000	D	*
40–49	3,000	3,000	D	1,000	*	*
50–59	2,000	2,000	D	1,000	*	*
60–75	1,000	1,000	D	*	D	D
Civil/architectural/sanitary engineers	6,000	4,000	D	3,000	1,000	1,000
<30	*	*	D	D	D	D
30–39	2,000	2,000	D	*	*	*
40–49	1,000	1,000	D	1,000	D	*
50–59	1,000	1,000	D	1,000	D	1,000
60–75	1,000	1,000	D	1,000	D	*
Electrical/computer hardware engineers	25,000	23,000	D	7,000	6,000	2,000
<30	2,000	2,000	D	D	1,000	D
30–39	8,000	7,000	D	2,000	2,000	*
40–49	7,000	7,000	D	3,000	2,000	*
50–59	4,000	4,000	D	1,000	1,000	1,000
60–75	4,000	3,000	D	1,000	1,000	1,000
Industrial engineers	2,000	2,000	D	1,000	D	*
<30	D	D	D	D	D	D
30–39	*	*	D	D	D	D
40–49	1,000	*	D	*	D	D
50–59	1,000	1,000	D	*	D	D
60–75	*	*	D	D	D	D
Mechanical engineers	11,000	11,000	*	3,000	2,000	1,000
<30	1,000	1,000	D	D	D	D
30–39	3,000	3,000	D	1,000	1,000	D
40–49	3,000	3,000	D	1,000	*	*
50–59	2,000	2,000	D	1,000	*	D
60–75	2,000	1,000	D	*	D	*
Postsecondary teachers-engineering	21,000	15,000	21,000	4,000	*	1,000
<30	*	*	*	D	D	D
30–39	5,000	4,000	5,000	*	D	D
40–49	5,000	4,000	5,000	1,000	D	*
50–59	6,000	4,000	5,000	1,000	D	*
60–75	5,000	3,000	5,000	1,000	*	*
Other engineers	27,000	22,000	1,000	11,000	2,000	5,000
<30	1,000	1,000	D	*	D	D
30–39	9,000	8,000	D	3,000	1,000	1,000
40–49	7,000	5,000	D	3,000	*	1,000
50–59	6,000	5,000	*	2,000	*	1,000
60–75	4,000	3,000	*	2,000	*	1,000
S&E-related occupations	117,000	56,000	44,000	59,000	5,000	44,000
<30	3,000	2,000	*	*	D	S
30–39	21,000	9,000	8,000	8,000	1,000	11,000
40–49	33,000	18,000	11,000	20,000	2,000	10,000
50–59	38,000	17,000	15,000	20,000	1,000	13,000
60–75	22,000	10,000	10,000	10,000	1,000	8,000

TABLE 10. Employed U.S. scientists and engineers, by level of highest degree, occupation, age, and primary/secondary work activity: 2008

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, administration	Computer applications	Other
Health occupations	65,000	29,000	29,000	22,000	1,000	35,000
<30	2,000	S	*	*	D	S
30–39	12,000	6,000	5,000	3,000	D	8,000
40–49	17,000	8,000	7,000	7,000	D	8,000
50–59	21,000	9,000	11,000	8,000	*	11,000
60–75	12,000	5,000	6,000	4,000	*	7,000
S&E managers, including health	32,000	19,000	*	31,000	1,000	5,000
<30	*	*	D	*	D	D
30–39	4,000	3,000	D	4,000	*	1,000
40–49	12,000	8,000	D	11,000	*	2,000
50–59	11,000	6,000	D	11,000	*	2,000
60–75	5,000	3,000	*	5,000	*	1,000
S&E precollege teachers	15,000	4,000	14,000	4,000	*	S
<30	D	D	D	D	D	D
30–39	3,000	D	3,000	S	D	D
40–49	3,000	S	3,000	1,000	D	*
50–59	4,000	1,000	4,000	1,000	D	*
60–75	4,000	D	4,000	1,000	D	D
S&E technicians/technologists	4,000	3,000	D	2,000	2,000	1,000
<30	*	*	D	D	D	D
30–39	1,000	1,000	D	*	*	*
40–49	1,000	1,000	D	*	1,000	D
50–59	1,000	1,000	D	1,000	*	*
60–75	1,000	*	D	*	D	D
Other S&E-related occupations	1,000	*	D	*	*	*
<30	D	D	D	D	D	D
30–39	D	D	D	D	D	D
40–49	*	D	D	D	D	D
50–59	D	D	D	D	D	D
60–75	D	D	D	D	D	D
Non-S&E occupations	225,000	85,000	66,000	147,000	4,000	64,000
<30	2,000	1,000	1,000	1,000	D	1,000
30–39	29,000	18,000	11,000	14,000	1,000	7,000
40–49	55,000	21,000	15,000	38,000	2,000	13,000
50–59	80,000	29,000	22,000	55,000	1,000	23,000
60–75	58,000	15,000	17,000	38,000	1,000	20,000
Arts/humanities/related occupations	9,000	4,000	1,000	5,000	*	4,000
<30	D	D	D	D	D	D
30–39	2,000	S	*	1,000	D	1,000
40–49	2,000	1,000	D	1,000	D	1,000
50–59	2,000	1,000	*	1,000	D	1,000
60–75	3,000	2,000	S	2,000	D	1,000
Management-related occupations	34,000	15,000	1,000	26,000	1,000	13,000
<30	*	*	D	*	D	*
30–39	7,000	5,000	*	5,000	*	2,000
40–49	7,000	2,000	*	6,000	1,000	2,000
50–59	14,000	7,000	*	9,000	*	6,000
60–75	7,000	2,000	*	5,000	D	3,000
Non-S&E managers	75,000	23,000	3,000	72,000	1,000	12,000
<30	D	D	D	D	D	D
30–39	4,000	2,000	D	4,000	*	1,000

TABLE 10. Employed U.S. scientists and engineers, by level of highest degree, occupation, age, and primary/secondary work activity: 2008

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, administration	Computer applications	Other
40–49	21,000	7,000	S	20,000	1,000	4,000
50–59	29,000	9,000	1,000	29,000	*	5,000
60–75	20,000	5,000	S	19,000	*	3,000
Non-S&E postsecondary teachers	50,000	29,000	47,000	12,000	*	6,000
<30	*	*	*	D	D	D
30–39	10,000	8,000	9,000	1,000	D	1,000
40–49	13,000	8,000	12,000	3,000	D	1,000
50–59	15,000	9,000	15,000	5,000	D	1,000
60–75	12,000	3,000	11,000	3,000	D	S
Non-S&E precollege/other teachers	6,000	3,000	6,000	3,000	D	*
<30	D	D	D	D	D	D
30–39	*	D	*	*	D	D
40–49	1,000	D	1,000	D	D	D
50–59	3,000	S	2,000	S	D	*
60–75	2,000	S	S	D	D	D
Sales/marketing occupations	14,000	4,000	*	12,000	1,000	3,000
<30	*	D	D	D	D	D
30–39	2,000	1,000	D	1,000	*	*
40–49	4,000	1,000	D	4,000	D	*
50–59	4,000	1,000	D	4,000	D	S
60–75	3,000	1,000	D	3,000	D	1,000
Social services/related occupations	16,000	1,000	5,000	8,000	D	11,000
<30	D	D	D	D	D	D
30–39	S	D	S	S	D	*
40–49	2,000	*	*	1,000	D	2,000
50–59	7,000	1,000	3,000	4,000	D	4,000
60–75	6,000	*	S	2,000	D	5,000
Other non-S&E occupations	21,000	6,000	3,000	10,000	*	14,000
<30	S	D	D	D	D	*
30–39	3,000	1,000	*	1,000	D	2,000
40–49	6,000	2,000	S	4,000	D	4,000
50–59	6,000	1,000	1,000	2,000	D	4,000
60–75	6,000	2,000	1,000	3,000	D	3,000

* = value < 500. D = suppressed to avoid disclosure of confidential information. S = suppressed for reliability; coefficient of variation exceeds publication standards.

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/occ03maj.html for detailed description of occupational classification. Numbers are rounded to nearest thousand. Detail may not add to total because of rounding.

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

TABLE 11. Employed U.S. scientists and engineers, by level of highest degree, occupation, ethnicity, race, and years since highest degree: 2008

Highest degree, occupation, ethnicity, and race[a]	Employed scientists and engineers	Years since highest degree							
		<5 years	5–9 years	10–14 years	15–19 years	20–24 years	25–29 years	30–34 years	35+ years
All degree levels and occupations[b]	19,244,000	3,272,000	2,724,000	2,921,000	2,523,000	2,380,000	2,091,000	1,694,000	1,640,000
Hispanic or Latino	1,074,000	261,000	178,000	185,000	138,000	119,000	95,000	61,000	37,000
Not Hispanic or Latino									
American Indian or Alaska Native	77,000	11,000	13,000	11,000	17,000	8,000	7,000	6,000	3,000
Asian	2,038,000	474,000	345,000	313,000	275,000	209,000	173,000	114,000	137,000
Black or African American	1,107,000	239,000	199,000	171,000	135,000	125,000	109,000	81,000	48,000
White	14,555,000	2,168,000	1,922,000	2,174,000	1,917,000	1,888,000	1,683,000	1,407,000	1,396,000
Other	393,000	120,000	67,000	68,000	41,000	31,000	23,000	24,000	19,000
S&E occupations	4,874,000	936,000	738,000	800,000	694,000	604,000	451,000	344,000	307,000
Hispanic or Latino	239,000	66,000	39,000	49,000	32,000	19,000	17,000	8,000	9,000
Not Hispanic or Latino									
American Indian or Alaska Native	17,000	2,000	3,000	3,000	3,000	4,000	1,000	1,000	*
Asian	824,000	232,000	161,000	147,000	115,000	73,000	41,000	27,000	28,000
Black or African American	191,000	44,000	35,000	25,000	30,000	22,000	19,000	11,000	6,000
White	3,502,000	559,000	481,000	557,000	504,000	478,000	368,000	294,000	261,000
Other	101,000	32,000	19,000	18,000	10,000	9,000	6,000	4,000	4,000
Science occupations	3,292,000	652,000	507,000	546,000	494,000	409,000	284,000	224,000	177,000
Hispanic or Latino	151,000	45,000	25,000	27,000	23,000	13,000	9,000	4,000	5,000
Not Hispanic or Latino									
American Indian or Alaska Native	13,000	2,000	2,000	3,000	3,000	S	*	D	D
Asian	578,000	159,000	118,000	110,000	86,000	52,000	24,000	13,000	16,000
Black or African American	142,000	32,000	26,000	18,000	24,000	16,000	13,000	9,000	4,000
White	2,341,000	393,000	322,000	377,000	352,000	319,000	233,000	195,000	150,000
Other	67,000	22,000	14,000	10,000	6,000	6,000	5,000	2,000	2,000
Biological/agricultural/other life scientists	498,000	125,000	90,000	68,000	55,000	51,000	47,000	32,000	31,000
Hispanic or Latino	28,000	11,000	5,000	3,000	4,000	1,000	2,000	*	1,000
Not Hispanic or Latino									
American Indian or Alaska Native	4,000	D	*	*	D	D	D	D	D
Asian	80,000	22,000	17,000	13,000	8,000	9,000	4,000	4,000	3,000
Black or African American	14,000	3,000	3,000	2,000	2,000	S	S	1,000	S
White	364,000	85,000	62,000	48,000	40,000	37,000	38,000	28,000	26,000
Other	9,000	3,000	4,000	1,000	*	*	*	*	D
Agricultural/food scientists	62,000	12,000	8,000	6,000	6,000	9,000	9,000	7,000	5,000
Hispanic or Latino	4,000	S	S	D	S	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	5,000	1,000	1,000	*	D	S	S	*	D
Black or African American	1,000	*	*	*	D	D	D	D	D
White	51,000	8,000	7,000	5,000	4,000	9,000	8,000	7,000	5,000
Other	S	D	D	D	D	D	D	D	D
Biological/medical scientists	331,000	95,000	63,000	49,000	36,000	29,000	27,000	18,000	15,000
Hispanic or Latino	19,000	8,000	4,000	2,000	1,000	S	2,000	*	1,000
Not Hispanic or Latino									
American Indian or Alaska Native	S	D	*	D	D	D	D	D	D
Asian	67,000	18,000	14,000	12,000	7,000	7,000	3,000	3,000	3,000
Black or African American	9,000	2,000	2,000	S	2,000	*	S	*	D
White	227,000	63,000	40,000	32,000	26,000	20,000	21,000	15,000	11,000
Other	6,000	2,000	3,000	1,000	*	D	D	D	D
Environmental life scientists	35,000	5,000	6,000	3,000	3,000	4,000	5,000	3,000	5,000
Hispanic or Latino	S	D	*	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D

TABLE 11. Employed U.S. scientists and engineers, by level of highest degree, occupation, ethnicity, race, and years since highest degree: 2008

Highest degree, occupation, ethnicity, and race[a]	Employed scientists and engineers	Years since highest degree							
		<5 years	5–9 years	10–14 years	15–19 years	20–24 years	25–29 years	30–34 years	35+ years
Asian	1,000	1,000	D	D	D	D	D	D	D
Black or African American	S	D	D	D	D	D	D	D	D
White	31,000	4,000	5,000	3,000	3,000	3,000	5,000	3,000	5,000
Other	*	D	D	D	D	D	D	D	D
Postsecondary teachers-life/related sciences	70,000	13,000	12,000	10,000	10,000	8,000	6,000	4,000	6,000
Hispanic or Latino	4,000	1,000	1,000	1,000	S	*	D	*	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	7,000	2,000	S	1,000	1,000	1,000	*	*	*
Black or African American	3,000	*	*	S	*	*	D	*	D
White	55,000	10,000	10,000	7,000	8,000	5,000	5,000	3,000	5,000
Other	1,000	*	D	D	D	D	*	D	D
Computer/mathematical scientists	1,970,000	333,000	290,000	358,000	337,000	272,000	169,000	124,000	86,000
Hispanic or Latino	82,000	19,000	13,000	19,000	15,000	7,000	5,000	3,000	2,000
Not Hispanic or Latino									
American Indian or Alaska Native	5,000	S	1,000	S	S	D	D	D	D
Asian	423,000	113,000	86,000	85,000	70,000	39,000	16,000	8,000	6,000
Black or African American	97,000	20,000	17,000	12,000	17,000	12,000	10,000	6,000	2,000
White	1,323,000	169,000	166,000	233,000	228,000	209,000	137,000	107,000	75,000
Other	39,000	11,000	7,000	7,000	5,000	5,000	2,000	1,000	S
Computer/information scientists	1,778,000	286,000	262,000	329,000	312,000	253,000	155,000	111,000	70,000
Hispanic or Latino	74,000	16,000	11,000	18,000	15,000	6,000	3,000	3,000	1,000
Not Hispanic or Latino									
American Indian or Alaska Native	4,000	S	S	S	D	D	D	D	D
Asian	390,000	98,000	81,000	81,000	68,000	37,000	14,000	6,000	5,000
Black or African American	85,000	17,000	16,000	11,000	15,000	11,000	9,000	6,000	2,000
White	1,186,000	143,000	147,000	210,000	209,000	194,000	126,000	96,000	61,000
Other	37,000	10,000	7,000	7,000	4,000	5,000	2,000	1,000	S
Mathematical scientists	107,000	26,000	17,000	17,000	16,000	12,000	6,000	6,000	7,000
Hispanic or Latino	4,000	2,000	1,000	*	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	22,000	11,000	4,000	2,000	1,000	1,000	1,000	S	1,000
Black or African American	7,000	2,000	S	S	S	D	D	D	D
White	73,000	11,000	10,000	14,000	13,000	10,000	5,000	5,000	5,000
Other	1,000	S	D	D	D	D	D	D	D
Postsecondary teachers-computer/ mathematical sciences	84,000	21,000	11,000	11,000	8,000	7,000	9,000	6,000	10,000
Hispanic or Latino	4,000	1,000	1,000	*	*	*	S	D	S
Not Hispanic or Latino									
American Indian or Alaska Native	*	D	D	D	D	D	D	D	D
Asian	11,000	3,000	2,000	2,000	1,000	1,000	1,000	*	*
Black or African American	5,000	2,000	*	*	*	S	S	D	*
White	64,000	15,000	8,000	9,000	6,000	6,000	6,000	6,000	8,000
Other	1,000	*	D	D	D	D	D	D	D
Physical/related scientists	322,000	63,000	50,000	51,000	34,000	39,000	29,000	26,000	30,000
Hispanic or Latino	14,000	4,000	3,000	3,000	2,000	1,000	S	*	*
Not Hispanic or Latino									
American Indian or Alaska Native	1,000	*	*	D	D	D	D	D	D
Asian	43,000	11,000	8,000	8,000	4,000	3,000	3,000	1,000	6,000
Black or African American	9,000	2,000	1,000	1,000	1,000	1,000	*	1,000	S

TABLE 11. Employed U.S. scientists and engineers, by level of highest degree, occupation, ethnicity, race, and years since highest degree: 2008

Highest degree, occupation, ethnicity, and race[a]	Employed scientists and engineers	Years since highest degree							
		<5 years	5–9 years	10–14 years	15–19 years	20–24 years	25–29 years	30–34 years	35+ years
White	247,000	43,000	36,000	40,000	27,000	33,000	24,000	23,000	22,000
Other	7,000	3,000	1,000	*	1,000	D	S	*	*
Chemists, except biochemists	129,000	22,000	19,000	27,000	14,000	14,000	12,000	10,000	11,000
Hispanic or Latino	7,000	1,000	1,000	S	*	1,000	S	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	*	D	D	D	D	D	D	D	D
Asian	26,000	5,000	5,000	6,000	2,000	2,000	1,000	1,000	4,000
Black or African American	5,000	1,000	1,000	*	S	S	D	S	D
White	87,000	14,000	11,000	19,000	10,000	10,000	9,000	8,000	7,000
Other	3,000	1,000	1,000	D	D	D	D	D	D
Earth/atmospheric/ocean scientists	78,000	13,000	12,000	10,000	8,000	13,000	9,000	6,000	6,000
Hispanic or Latino	3,000	1,000	1,000	*	1,000	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	*	*	D	D	D	D	D	D	D
Asian	5,000	1,000	1,000	*	*	*	*	D	1,000
Black or African American	1,000	*	D	D	D	D	D	D	D
White	67,000	10,000	9,000	10,000	7,000	12,000	8,000	6,000	5,000
Other	2,000	S	*	D	D	D	D	D	D
Physicists/astronomers	27,000	9,000	5,000	2,000	2,000	2,000	3,000	2,000	3,000
Hispanic or Latino	1,000	*	*	*	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	5,000	2,000	1,000	*	*	*	1,000	D	S
Black or African American	1,000	*	D	D	D	D	D	D	D
White	20,000	6,000	4,000	2,000	2,000	2,000	2,000	2,000	2,000
Other	*	*	D	D	D	D	D	D	D
Postsecondary teachers-physical/ related sciences	54,000	14,000	8,000	7,000	6,000	6,000	3,000	3,000	6,000
Hispanic or Latino	2,000	1,000	*	*	*	*	*	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	5,000	2,000	1,000	S	1,000	*	*	*	*
Black or African American	1,000	*	*	*	*	D	D	*	D
White	44,000	10,000	7,000	6,000	5,000	6,000	3,000	3,000	5,000
Other	1,000	1,000	*	D	*	D	D	D	D
Other physical/related scientists	35,000	5,000	6,000	5,000	4,000	3,000	2,000	5,000	4,000
Hispanic or Latino	2,000	1,000	*	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	2,000	1,000	D	*	D	D	D	D	D
Black or African American	1,000	*	*	D	D	D	D	D	D
White	29,000	3,000	5,000	4,000	4,000	3,000	2,000	5,000	3,000
Other	*	D	D	D	D	D	D	D	D
Social/related scientists	502,000	132,000	77,000	69,000	68,000	47,000	39,000	41,000	29,000
Hispanic or Latino	26,000	11,000	4,000	3,000	3,000	3,000	1,000	1,000	1,000
Not Hispanic or Latino									
American Indian or Alaska Native	3,000	1,000	1,000	S	S	*	D	D	D
Asian	32,000	13,000	6,000	4,000	4,000	2,000	S	*	S
Black or African American	23,000	7,000	4,000	3,000	3,000	2,000	2,000	1,000	*
White	407,000	95,000	59,000	56,000	57,000	40,000	35,000	38,000	27,000
Other	12,000	5,000	2,000	2,000	*	*	S	*	*
Economists	29,000	8,000	5,000	4,000	5,000	3,000	2,000	2,000	2,000

TABLE 11. Employed U.S. scientists and engineers, by level of highest degree, occupation, ethnicity, race, and years since highest degree: 2008

Highest degree, occupation, ethnicity, and race[a]	Employed scientists and engineers	Years since highest degree							
		<5 years	5–9 years	10–14 years	15–19 years	20–24 years	25–29 years	30–34 years	35+ years
Hispanic or Latino	1,000	1,000	*	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	3,000	1,000	1,000	*	*	*	D	D	D
Black or African American	2,000	S	*	D	D	D	D	D	D
White	22,000	4,000	3,000	3,000	4,000	2,000	2,000	2,000	2,000
Other	S	S	D	D	D	D	D	D	D
Political/related scientists	17,000	7,000	3,000	S	S	D	*	S	S
Hispanic or Latino	S	*	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	S	D	D	D	D	D	D	D	D
Black or African American	*	*	D	D	D	D	D	D	D
White	15,000	6,000	3,000	S	S	D	*	S	S
Other	*	D	D	D	D	D	D	D	D
Postsecondary teachers-social/ related sciences	116,000	32,000	19,000	15,000	13,000	9,000	11,000	9,000	9,000
Hispanic or Latino	5,000	2,000	1,000	*	1,000	S	D	*	D
Not Hispanic or Latino									
American Indian or Alaska Native	S	D	*	*	D	D	D	D	D
Asian	8,000	4,000	1,000	1,000	1,000	*	*	*	D
Black or African American	6,000	1,000	1,000	1,000	1,000	*	*	S	D
White	91,000	24,000	14,000	12,000	9,000	7,000	9,000	7,000	9,000
Other	4,000	1,000	S	*	D	*	D	*	D
Psychologists	185,000	46,000	27,000	23,000	26,000	19,000	20,000	14,000	10,000
Hispanic or Latino	12,000	5,000	2,000	1,000	2,000	1,000	*	*	D
Not Hispanic or Latino									
American Indian or Alaska Native	1,000	D	*	D	*	D	D	D	D
Asian	7,000	4,000	2,000	S	*	*	D	D	D
Black or African American	8,000	2,000	1,000	2,000	*	S	1,000	*	D
White	154,000	32,000	22,000	19,000	24,000	16,000	19,000	13,000	9,000
Other	4,000	2,000	*	1,000	D	D	*	D	D
Sociologists/anthropologists	21,000	10,000	3,000	2,000	3,000	1,000	1,000	1,000	*
Hispanic or Latino	2,000	1,000	*	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	1,000	*	D	D	D	D	D	D	D
Black or African American	1,000	1,000	*	D	D	D	D	D	D
White	16,000	7,000	2,000	2,000	S	1,000	1,000	1,000	*
Other	1,000	*	D	D	D	D	D	D	D
Other social/related scientists	134,000	29,000	21,000	23,000	21,000	14,000	5,000	14,000	7,000
Hispanic or Latino	5,000	2,000	1,000	S	D	S	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	12,000	4,000	3,000	1,000	2,000	D	D	*	D
Black or African American	5,000	1,000	S	D	S	D	D	D	D
White	109,000	22,000	16,000	20,000	16,000	13,000	4,000	13,000	6,000
Other	2,000	1,000	D	D	D	D	D	D	D
Engineering occupations	1,582,000	283,000	231,000	254,000	200,000	195,000	167,000	120,000	131,000
Hispanic or Latino	88,000	21,000	14,000	21,000	9,000	6,000	9,000	3,000	4,000
Not Hispanic or Latino									
American Indian or Alaska Native	4,000	1,000	*	S	1,000	D	D	D	D

TABLE 11. Employed U.S. scientists and engineers, by level of highest degree, occupation, ethnicity, race, and years since highest degree: 2008

Highest degree, occupation, ethnicity, and race[a]	Employed scientists and engineers	Years since highest degree							
		<5 years	5–9 years	10–14 years	15–19 years	20–24 years	25–29 years	30–34 years	35+ years
Asian	247,000	74,000	44,000	37,000	30,000	21,000	17,000	14,000	12,000
Black or African American	49,000	12,000	9,000	7,000	6,000	6,000	5,000	2,000	S
White	1,161,000	166,000	159,000	181,000	152,000	159,000	134,000	99,000	111,000
Other	35,000	11,000	5,000	7,000	3,000	3,000	1,000	2,000	2,000
Aerospace/aeronautical/astronautical engineers	100,000	17,000	13,000	13,000	11,000	16,000	10,000	6,000	14,000
Hispanic or Latino	7,000	2,000	1,000	S	D	1,000	1,000	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	1,000	D	D	D	D	D	D	D	D
Asian	10,000	3,000	1,000	1,000	2,000	1,000	*	1,000	1,000
Black or African American	3,000	*	*	D	D	D	D	D	D
White	77,000	11,000	11,000	9,000	8,000	13,000	8,000	5,000	12,000
Other	4,000	1,000	*	D	D	S	D	D	D
Chemical engineers	77,000	12,000	10,000	12,000	13,000	10,000	7,000	8,000	5,000
Hispanic or Latino	4,000	1,000	*	D	S	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	*	D	D	D	D	D	D	D	D
Asian	13,000	3,000	2,000	2,000	1,000	1,000	1,000	2,000	S
Black or African American	2,000	1,000	S	D	D	D	D	D	D
White	56,000	7,000	7,000	9,000	10,000	8,000	5,000	6,000	5,000
Other	2,000	*	D	D	D	D	D	D	D
Civil/architectural/sanitary engineers	258,000	42,000	39,000	51,000	25,000	32,000	21,000	24,000	25,000
Hispanic or Latino	19,000	4,000	3,000	7,000	1,000	1,000	1,000	1,000	2,000
Not Hispanic or Latino									
American Indian or Alaska Native	1,000	*	D	D	D	D	D	D	D
Asian	28,000	7,000	4,000	3,000	2,000	2,000	3,000	3,000	4,000
Black or African American	8,000	2,000	2,000	1,000	1,000	1,000	D	D	D
White	194,000	27,000	30,000	37,000	20,000	27,000	16,000	19,000	18,000
Other	7,000	2,000	1,000	3,000	D	D	D	1,000	D
Electrical/computer hardware engineers	399,000	71,000	55,000	65,000	57,000	52,000	47,000	28,000	23,000
Hispanic or Latino	21,000	5,000	3,000	6,000	3,000	2,000	2,000	S	D
Not Hispanic or Latino									
American Indian or Alaska Native	1,000	D	D	D	D	D	D	D	D
Asian	101,000	28,000	19,000	16,000	14,000	10,000	6,000	5,000	3,000
Black or African American	13,000	3,000	2,000	3,000	1,000	3,000	S	1,000	D
White	253,000	32,000	29,000	39,000	38,000	38,000	38,000	21,000	19,000
Other	9,000	3,000	2,000	2,000	D	S	D	D	D
Industrial engineers	93,000	17,000	15,000	16,000	13,000	12,000	8,000	9,000	4,000
Hispanic or Latino	9,000	3,000	2,000	2,000	2,000	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	14,000	3,000	2,000	3,000	S	2,000	D	D	D
Black or African American	3,000	1,000	*	1,000	D	D	D	D	D
White	64,000	10,000	10,000	9,000	9,000	9,000	6,000	7,000	4,000
Other	3,000	*	D	D	D	D	D	D	D
Mechanical engineers	300,000	62,000	47,000	42,000	40,000	34,000	29,000	18,000	27,000
Hispanic or Latino	12,000	3,000	3,000	2,000	1,000	1,000	1,000	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	1,000	*	D	D	D	D	D	D	D
Asian	36,000	12,000	7,000	5,000	4,000	2,000	3,000	1,000	2,000
Black or African American	8,000	3,000	1,000	D	1,000	D	S	D	D

TABLE 11. Employed U.S. scientists and engineers, by level of highest degree, occupation, ethnicity, race, and years since highest degree: 2008

Highest degree, occupation, ethnicity, and race[a]	Employed scientists and engineers	Years since highest degree							
		<5 years	5–9 years	10–14 years	15–19 years	20–24 years	25–29 years	30–34 years	35+ years
White	239,000	42,000	36,000	34,000	34,000	30,000	23,000	16,000	24,000
Other	5,000	2,000	1,000	1,000	D	D	D	D	D
Postsecondary teachers-engineering	35,000	8,000	6,000	4,000	4,000	5,000	2,000	3,000	4,000
Hispanic or Latino	2,000	*	*	*	*	*	*	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	7,000	3,000	1,000	1,000	1,000	*	*	1,000	*
Black or African American	2,000	S	1,000	*	*	D	D	*	D
White	23,000	3,000	4,000	3,000	2,000	4,000	2,000	2,000	3,000
Other	*	*	D	D	D	D	D	D	D
Other engineers	320,000	54,000	46,000	51,000	39,000	35,000	43,000	24,000	29,000
Hispanic or Latino	15,000	3,000	2,000	3,000	2,000	1,000	3,000	D	1,000
Not Hispanic or Latino									
American Indian or Alaska Native	*	D	D	D	D	D	D	D	D
Asian	38,000	14,000	8,000	5,000	4,000	2,000	4,000	1,000	1,000
Black or African American	9,000	2,000	3,000	2,000	1,000	S	D	D	D
White	254,000	34,000	33,000	41,000	31,000	30,000	36,000	23,000	27,000
Other	4,000	2,000	1,000	D	1,000	*	*	D	D
S&E-related occupations	5,542,000	887,000	788,000	870,000	723,000	732,000	660,000	454,000	428,000
Hispanic or Latino	289,000	57,000	40,000	46,000	41,000	41,000	28,000	23,000	13,000
Not Hispanic or Latino									
American Indian or Alaska Native	22,000	3,000	5,000	S	5,000	2,000	3,000	S	D
Asian	560,000	98,000	88,000	79,000	70,000	68,000	67,000	41,000	48,000
Black or African American	312,000	64,000	53,000	50,000	40,000	40,000	34,000	18,000	13,000
White	4,246,000	634,000	585,000	671,000	556,000	574,000	520,000	361,000	346,000
Other	113,000	31,000	17,000	23,000	11,000	7,000	7,000	9,000	7,000
Health occupations	3,780,000	639,000	553,000	585,000	462,000	479,000	463,000	300,000	299,000
Hispanic or Latino	198,000	38,000	26,000	28,000	29,000	26,000	21,000	18,000	11,000
Not Hispanic or Latino									
American Indian or Alaska Native	16,000	2,000	3,000	D	5,000	S	2,000	D	D
Asian	407,000	70,000	61,000	50,000	51,000	49,000	52,000	34,000	40,000
Black or African American	227,000	50,000	36,000	37,000	28,000	32,000	25,000	10,000	8,000
White	2,850,000	455,000	413,000	453,000	341,000	367,000	359,000	229,000	233,000
Other	81,000	23,000	13,000	16,000	8,000	4,000	5,000	7,000	4,000
S&E managers, including health	501,000	38,000	45,000	85,000	91,000	86,000	69,000	53,000	35,000
Hispanic or Latino	25,000	6,000	2,000	4,000	5,000	4,000	2,000	S	D
Not Hispanic or Latino									
American Indian or Alaska Native	2,000	D	D	D	D	D	D	D	D
Asian	45,000	4,000	5,000	11,000	11,000	6,000	5,000	1,000	2,000
Black or African American	26,000	2,000	6,000	4,000	3,000	2,000	4,000	3,000	D
White	395,000	24,000	32,000	63,000	70,000	72,000	58,000	46,000	29,000
Other	9,000	1,000	D	S	S	S	D	D	S
S&E precollege teachers	599,000	127,000	112,000	85,000	78,000	61,000	54,000	48,000	34,000
Hispanic or Latino	31,000	8,000	5,000	6,000	4,000	5,000	2,000	2,000	D
Not Hispanic or Latino									
American Indian or Alaska Native	1,000	*	1,000	D	D	D	D	D	D
Asian	19,000	7,000	5,000	2,000	S	D	S	D	D
Black or African American	40,000	8,000	10,000	7,000	4,000	2,000	3,000	3,000	3,000
White	499,000	100,000	91,000	70,000	68,000	53,000	46,000	42,000	30,000
Other	9,000	3,000	S	D	D	D	D	D	D

TABLE 11. Employed U.S. scientists and engineers, by level of highest degree, occupation, ethnicity, race, and years since highest degree: 2008

Highest degree, occupation, ethnicity, and race[a]	Employed scientists and engineers	Years since highest degree							
		<5 years	5–9 years	10–14 years	15–19 years	20–24 years	25–29 years	30–34 years	35+ years
S&E technicians/technologists	446,000	74,000	62,000	69,000	58,000	72,000	47,000	33,000	31,000
Hispanic or Latino	22,000	4,000	5,000	5,000	2,000	3,000	2,000	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	S	D	D	D	D	D	D	D	D
Asian	67,000	14,000	14,000	12,000	5,000	9,000	5,000	4,000	4,000
Black or African American	13,000	3,000	1,000	1,000	2,000	2,000	1,000	1,000	D
White	330,000	49,000	39,000	49,000	48,000	55,000	37,000	26,000	26,000
Other	12,000	3,000	3,000	1,000	1,000	D	D	D	D
Other S&E-related occupations	216,000	9,000	16,000	45,000	35,000	34,000	27,000	20,000	29,000
Hispanic or Latino	13,000	S	2,000	3,000	D	3,000	S	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	22,000	3,000	4,000	5,000	2,000	3,000	4,000	1,000	D
Black or African American	6,000	*	D	D	3,000	2,000	D	D	D
White	172,000	5,000	10,000	36,000	29,000	27,000	22,000	17,000	27,000
Other	3,000	D	D	D	D	D	D	D	D
Non-S&E occupations	8,828,000	1,450,000	1,198,000	1,251,000	1,105,000	1,043,000	979,000	896,000	905,000
Hispanic or Latino	546,000	138,000	99,000	90,000	65,000	59,000	50,000	30,000	16,000
Not Hispanic or Latino									
American Indian or Alaska Native	38,000	6,000	6,000	7,000	9,000	2,000	S	4,000	S
Asian	654,000	143,000	95,000	86,000	89,000	68,000	65,000	45,000	62,000
Black or African American	604,000	131,000	111,000	96,000	65,000	63,000	57,000	52,000	29,000
White	6,807,000	975,000	855,000	946,000	857,000	837,000	796,000	752,000	789,000
Other	179,000	57,000	31,000	26,000	21,000	14,000	10,000	12,000	8,000
Arts/humanities/related occupations	295,000	48,000	36,000	47,000	46,000	34,000	25,000	29,000	30,000
Hispanic or Latino	16,000	2,000	2,000	3,000	D	S	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	S	D	D	D	D	D	D	D	D
Asian	19,000	8,000	4,000	S	3,000	D	D	S	D
Black or African American	12,000	2,000	4,000	2,000	D	D	D	D	D
White	240,000	32,000	26,000	39,000	36,000	31,000	23,000	27,000	27,000
Other	5,000	2,000	D	S	D	D	D	D	D
Management-related occupations	1,309,000	232,000	190,000	216,000	164,000	137,000	138,000	117,000	115,000
Hispanic or Latino	81,000	17,000	21,000	10,000	10,000	11,000	4,000	5,000	2,000
Not Hispanic or Latino									
American Indian or Alaska Native	6,000	D	D	D	D	D	D	1,000	D
Asian	151,000	45,000	26,000	24,000	17,000	10,000	14,000	6,000	8,000
Black or African American	106,000	21,000	13,000	23,000	10,000	10,000	9,000	13,000	6,000
White	939,000	140,000	126,000	152,000	123,000	102,000	108,000	89,000	98,000
Other	28,000	9,000	3,000	5,000	2,000	3,000	S	S	D
Non-S&E managers	1,261,000	95,000	131,000	181,000	185,000	181,000	174,000	178,000	135,000
Hispanic or Latino	63,000	9,000	9,000	14,000	10,000	7,000	6,000	5,000	2,000
Not Hispanic or Latino									
American Indian or Alaska Native	4,000	D	D	D	D	D	D	D	D
Asian	74,000	6,000	6,000	14,000	16,000	9,000	7,000	8,000	8,000
Black or African American	60,000	6,000	12,000	14,000	6,000	8,000	6,000	6,000	3,000
White	1,042,000	72,000	100,000	137,000	148,000	153,000	154,000	157,000	121,000
Other	16,000	1,000	S	3,000	4,000	2,000	S	D	S
Non-S&E postsecondary teachers	157,000	41,000	30,000	20,000	14,000	13,000	15,000	12,000	11,000
Hispanic or Latino	12,000	4,000	1,000	2,000	1,000	S	S	S	D
Not Hispanic or Latino									
American Indian or Alaska Native	*	D	D	D	D	D	D	D	D

TABLE 11. Employed U.S. scientists and engineers, by level of highest degree, occupation, ethnicity, race, and years since highest degree: 2008

Highest degree, occupation, ethnicity, and race[a]	Employed scientists and engineers	Years since highest degree							
		<5 years	5–9 years	10–14 years	15–19 years	20–24 years	25–29 years	30–34 years	35+ years
Asian	12,000	4,000	3,000	1,000	2,000	S	*	D	D
Black or African American	9,000	2,000	2,000	S	*	*	D	S	1,000
White	121,000	30,000	24,000	15,000	11,000	11,000	12,000	10,000	8,000
Other	3,000	1,000	D	D	D	D	D	D	D
Non-S&E precollege/other teachers	745,000	166,000	114,000	95,000	98,000	93,000	77,000	52,000	50,000
Hispanic or Latino	69,000	18,000	18,000	7,000	8,000	5,000	8,000	4,000	D
Not Hispanic or Latino									
American Indian or Alaska Native	2,000	S	D	D	D	D	D	D	D
Asian	30,000	6,000	3,000	3,000	9,000	S	3,000	D	D
Black or African American	65,000	14,000	12,000	13,000	6,000	8,000	5,000	3,000	4,000
White	563,000	123,000	77,000	69,000	74,000	75,000	59,000	42,000	44,000
Other	15,000	4,000	3,000	3,000	D	D	D	S	D
Sales/marketing occupations	1,357,000	153,000	168,000	200,000	176,000	179,000	142,000	135,000	204,000
Hispanic or Latino	64,000	15,000	9,000	17,000	6,000	5,000	6,000	3,000	2,000
Not Hispanic or Latino									
American Indian or Alaska Native	6,000	D	S	D	D	D	D	D	D
Asian	104,000	19,000	14,000	15,000	10,000	16,000	10,000	8,000	13,000
Black or African American	53,000	11,000	10,000	5,000	9,000	4,000	4,000	5,000	4,000
White	1,103,000	101,000	129,000	157,000	145,000	150,000	121,000	118,000	183,000
Other	27,000	6,000	5,000	5,000	S	S	D	D	2,000
Social services/related occupations	725,000	180,000	138,000	125,000	77,000	71,000	62,000	46,000	26,000
Hispanic or Latino	61,000	20,000	12,000	10,000	7,000	3,000	5,000	2,000	D
Not Hispanic or Latino									
American Indian or Alaska Native	4,000	S	1,000	D	D	D	D	D	D
Asian	22,000	7,000	4,000	2,000	3,000	D	S	D	S
Black or African American	95,000	27,000	24,000	14,000	10,000	8,000	6,000	4,000	S
White	526,000	114,000	93,000	96,000	57,000	57,000	49,000	38,000	23,000
Other	17,000	10,000	3,000	S	D	*	D	D	D
Other non-S&E occupations	2,979,000	534,000	393,000	366,000	345,000	334,000	346,000	326,000	335,000
Hispanic or Latino	181,000	50,000	27,000	27,000	19,000	25,000	18,000	10,000	6,000
Not Hispanic or Latino									
American Indian or Alaska Native	13,000	2,000	2,000	3,000	4,000	D	D	D	D
Asian	242,000	49,000	35,000	25,000	29,000	25,000	28,000	21,000	29,000
Black or African American	204,000	47,000	34,000	23,000	22,000	22,000	27,000	18,000	11,000
White	2,272,000	363,000	281,000	281,000	263,000	257,000	270,000	272,000	286,000
Other	67,000	23,000	14,000	8,000	8,000	5,000	S	5,000	3,000
Bachelor's degrees, all occupations	10,745,000	1,591,000	1,345,000	1,577,000	1,441,000	1,420,000	1,239,000	1,069,000	1,063,000
Hispanic or Latino	640,000	137,000	99,000	118,000	84,000	76,000	63,000	37,000	26,000
Not Hispanic or Latino									
American Indian or Alaska Native	49,000	4,000	8,000	9,000	10,000	6,000	5,000	4,000	S
Asian	980,000	184,000	141,000	131,000	143,000	112,000	110,000	71,000	88,000
Black or African American	646,000	118,000	104,000	88,000	85,000	82,000	77,000	58,000	35,000
White	8,168,000	1,073,000	951,000	1,187,000	1,085,000	1,121,000	969,000	881,000	900,000
Other	262,000	74,000	44,000	44,000	33,000	23,000	14,000	19,000	13,000
S&E occupations	2,720,000	434,000	378,000	435,000	396,000	391,000	281,000	215,000	190,000
Hispanic or Latino	152,000	33,000	24,000	33,000	21,000	14,000	13,000	5,000	7,000
Not Hispanic or Latino									
American Indian or Alaska Native	11,000	1,000	2,000	2,000	2,000	3,000	1,000	D	D
Asian	318,000	70,000	57,000	50,000	52,000	38,000	22,000	13,000	16,000
Black or African American	114,000	19,000	18,000	13,000	21,000	17,000	14,000	9,000	4,000
White	2,057,000	290,000	263,000	324,000	293,000	312,000	229,000	185,000	160,000
Other	68,000	21,000	13,000	13,000	7,000	6,000	3,000	2,000	3,000

TABLE 11. Employed U.S. scientists and engineers, by level of highest degree, occupation, ethnicity, race, and years since highest degree: 2008

Highest degree, occupation, ethnicity, and race[a]	Employed scientists and engineers	Years since highest degree							
		<5 years	5–9 years	10–14 years	15–19 years	20–24 years	25–29 years	30–34 years	35+ years
Science occupations	1,726,000	289,000	250,000	280,000	274,000	251,000	155,000	131,000	95,000
Hispanic or Latino	89,000	20,000	15,000	18,000	15,000	9,000	6,000	3,000	3,000
Not Hispanic or Latino									
American Indian or Alaska Native	8,000	S	1,000	S	S	S	D	D	D
Asian	220,000	48,000	43,000	37,000	38,000	27,000	11,000	6,000	9,000
Black or African American	80,000	13,000	12,000	8,000	17,000	11,000	9,000	7,000	2,000
White	1,288,000	194,000	169,000	208,000	198,000	198,000	126,000	114,000	80,000
Other	41,000	13,000	9,000	7,000	4,000	3,000	2,000	1,000	1,000
Biological/agricultural/other life scientists	198,000	50,000	40,000	21,000	18,000	21,000	18,000	16,000	15,000
Hispanic or Latino	11,000	4,000	2,000	D	D	D	2,000	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	S	D	D	D	D	D	D	D	D
Asian	19,000	7,000	4,000	D	D	3,000	S	S	1,000
Black or African American	7,000	1,000	S	D	D	D	D	D	D
White	154,000	36,000	29,000	18,000	14,000	15,000	15,000	14,000	12,000
Other	4,000	2,000	2,000	D	D	D	D	D	D
Agricultural/food scientists	36,000	5,000	5,000	3,000	3,000	4,000	6,000	4,000	4,000
Hispanic or Latino	S	*	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	S	D	D	D	D	D	D	D	D
Black or African American	*	*	D	D	D	D	D	D	D
White	32,000	4,000	5,000	S	S	4,000	6,000	4,000	4,000
Other	D	D	D	D	D	D	D	D	D
Biological/medical scientists	125,000	36,000	28,000	15,000	10,000	12,000	9,000	8,000	6,000
Hispanic or Latino	8,000	3,000	2,000	D	D	D	1,000	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	S	D	D	D	D	D	D	D	D
Asian	16,000	6,000	3,000	D	D	S	D	S	1,000
Black or African American	6,000	S	S	D	D	D	D	D	D
White	90,000	25,000	19,000	13,000	8,000	8,000	7,000	7,000	4,000
Other	3,000	1,000	2,000	D	D	D	D	D	D
Environmental life scientists	22,000	2,000	3,000	2,000	3,000	3,000	2,000	3,000	3,000
Hispanic or Latino	D	D	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	D	D	D	D	D	D	D	D	D
Black or African American	D	D	D	D	D	D	D	D	D
White	20,000	2,000	3,000	2,000	2,000	2,000	2,000	3,000	3,000
Other	D	D	D	D	D	D	D	D	D
Postsecondary teachers-life/ related sciences	15,000	7,000	4,000	D	D	D	D	D	D
Hispanic or Latino	S	S	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	D	D	D	D	D	D	D	D	D
Black or African American	D	D	D	D	D	D	D	D	D
White	12,000	6,000	3,000	D	D	D	D	D	D
Other	D	D	D	D	D	D	D	D	D
Computer/mathematical scientists	1,261,000	171,000	167,000	220,000	229,000	202,000	121,000	88,000	62,000
Hispanic or Latino	62,000	11,000	10,000	15,000	12,000	6,000	3,000	2,000	2,000
Not Hispanic or Latino									

TABLE 11. Employed U.S. scientists and engineers, by level of highest degree, occupation, ethnicity, race, and years since highest degree: 2008

Highest degree, occupation, ethnicity, and race[a]	Employed scientists and engineers	Years since highest degree							
		<5 years	5–9 years	10–14 years	15–19 years	20–24 years	25–29 years	30–34 years	35+ years
American Indian or Alaska Native	4,000	D	D	S	D	D	D	D	D
Asian	182,000	36,000	34,000	35,000	36,000	23,000	9,000	4,000	3,000
Black or African American	63,000	9,000	9,000	6,000	14,000	9,000	7,000	5,000	1,000
White	923,000	106,000	109,000	157,000	163,000	159,000	99,000	76,000	55,000
Other	28,000	8,000	5,000	5,000	3,000	3,000	2,000	D	S
Computer/information scientists	1,206,000	159,000	160,000	211,000	221,000	196,000	117,000	84,000	56,000
Hispanic or Latino	58,000	10,000	9,000	15,000	12,000	6,000	2,000	2,000	1,000
Not Hispanic or Latino									
American Indian or Alaska Native	4,000	D	D	S	D	D	D	D	D
Asian	176,000	34,000	32,000	35,000	36,000	23,000	9,000	3,000	3,000
Black or African American	59,000	9,000	9,000	6,000	12,000	9,000	7,000	5,000	1,000
White	880,000	98,000	104,000	148,000	157,000	155,000	96,000	73,000	50,000
Other	28,000	8,000	5,000	5,000	3,000	3,000	2,000	D	S
Mathematical scientists	41,000	7,000	6,000	7,000	8,000	5,000	2,000	3,000	4,000
Hispanic or Latino	2,000	1,000	1,000	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	4,000	1,000	D	D	D	D	D	D	D
Black or African American	3,000	*	D	D	D	D	D	D	D
White	31,000	4,000	3,000	6,000	5,000	4,000	2,000	2,000	S
Other	D	D	D	D	D	D	D	D	D
Postsecondary teachers-computer/ mathematical sciences	15,000	5,000	2,000	S	D	D	S	1,000	2,000
Hispanic or Latino	S	D	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	S	*	D	D	D	D	D	D	D
Black or African American	S	*	D	D	D	D	D	D	D
White	12,000	4,000	1,000	S	D	D	D	1,000	2,000
Other	D	D	D	D	D	D	D	D	D
Physical/related scientists	144,000	27,000	23,000	25,000	11,000	19,000	12,000	14,000	14,000
Hispanic or Latino	9,000	2,000	2,000	S	D	1,000	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	S	*	D	D	D	D	D	D	D
Asian	13,000	2,000	3,000	D	D	1,000	D	D	4,000
Black or African American	5,000	1,000	*	D	D	D	D	1,000	D
White	112,000	20,000	16,000	21,000	9,000	16,000	10,000	13,000	8,000
Other	5,000	2,000	1,000	D	D	D	D	D	D
Chemists, except biochemists	74,000	12,000	11,000	17,000	7,000	8,000	6,000	6,000	7,000
Hispanic or Latino	5,000	1,000	1,000	D	D	1,000	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	9,000	1,000	3,000	D	D	1,000	D	D	3,000
Black or African American	3,000	1,000	D	D	D	D	D	D	D
White	53,000	9,000	7,000	14,000	5,000	5,000	5,000	5,000	4,000
Other	3,000	1,000	*	D	D	D	D	D	D
Earth/atmospheric/ocean scientists	36,000	5,000	5,000	6,000	3,000	7,000	3,000	4,000	3,000
Hispanic or Latino	2,000	*	*	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	1,000	*	D	D	D	D	D	D	D
Black or African American	*	*	D	D	D	D	D	D	D

TABLE 11. Employed U.S. scientists and engineers, by level of highest degree, occupation, ethnicity, race, and years since highest degree: 2008

Highest degree, occupation, ethnicity, and race[a]	Employed scientists and engineers	Years since highest degree							
		<5 years	5–9 years	10–14 years	15–19 years	20–24 years	25–29 years	30–34 years	35+ years
White	31,000	4,000	4,000	6,000	2,000	7,000	3,000	3,000	3,000
Other	S	S	D	D	D	D	D	D	D
Physicists/astronomers	5,000	2,000	2,000	D	D	D	D	D	D
Hispanic or Latino	*	*	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	1,000	*	D	D	D	D	D	D	D
Black or African American	*	*	D	D	D	D	D	D	D
White	4,000	2,000	1,000	D	D	D	D	D	D
Other	D	D	D	D	D	D	D	D	D
Postsecondary teachers-physical/ related sciences	9,000	6,000	1,000	D	D	D	D	D	D
Hispanic or Latino	*	*	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	1,000	1,000	D	D	D	D	D	D	D
Black or African American	D	D	D	D	D	D	D	D	D
White	8,000	5,000	1,000	D	D	D	D	D	D
Other	S	S	D	D	D	D	D	D	D
Other physical/related scientists	21,000	2,000	4,000	1,000	S	3,000	2,000	4,000	3,000
Hispanic or Latino	1,000	1,000	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	D	D	D	D	D	D	D	D	D
Black or African American	S	D	D	D	D	D	D	D	D
White	18,000	1,000	3,000	1,000	S	3,000	1,000	4,000	S
Other	D	D	D	D	D	D	D	D	D
Social/related scientists	122,000	41,000	20,000	14,000	16,000	9,000	4,000	13,000	5,000
Hispanic or Latino	7,000	3,000	1,000	D	D	S	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	7,000	3,000	S	D	D	D	D	D	D
Black or African American	5,000	1,000	D	D	D	D	D	D	D
White	98,000	32,000	15,000	12,000	12,000	7,000	3,000	12,000	5,000
Other	4,000	2,000	D	D	D	D	D	D	D
Economists	6,000	2,000	D	D	D	1,000	D	D	D
Hispanic or Latino	D	D	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	D	D	D	D	D	D	D	D	D
Black or African American	D	D	D	D	D	D	D	D	D
White	5,000	1,000	D	D	D	D	D	D	D
Other	D	D	D	D	D	D	D	D	D
Political/related scientists	6,000	3,000	D	D	D	D	D	D	D
Hispanic or Latino	D	D	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	D	D	D	D	D	D	D	D	D
Black or African American	D	D	D	D	D	D	D	D	D
White	4,000	3,000	D	D	D	D	D	D	D
Other	D	D	D	D	D	D	D	D	D

TABLE 11. Employed U.S. scientists and engineers, by level of highest degree, occupation, ethnicity, race, and years since highest degree: 2008

Highest degree, occupation, ethnicity, and race[a]	Employed scientists and engineers	Years since highest degree							
		<5 years	5–9 years	10–14 years	15–19 years	20–24 years	25–29 years	30–34 years	35+ years
Postsecondary teachers-social/related sciences	16,000	8,000	6,000	D	D	D	D	D	D
Hispanic or Latino	D	D	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	D	D	D	D	D	D	D	D	D
Black or African American	D	D	D	D	D	D	D	D	D
White	13,000	7,000	5,000	D	D	D	D	D	D
Other	D	D	D	D	D	D	D	D	D
Psychologists	19,000	10,000	4,000	D	D	D	D	D	D
Hispanic or Latino	2,000	D	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	1,000	D	D	D	D	D	D	D	D
Black or African American	1,000	D	D	D	D	D	D	D	D
White	14,000	8,000	3,000	D	D	D	D	D	D
Other	D	D	D	D	D	D	D	D	D
Sociologists/anthropologists	7,000	4,000	D	D	D	D	D	D	D
Hispanic or Latino	S	D	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	D	D	D	D	D	D	D	D	D
Black or African American	D	D	D	D	D	D	D	D	D
White	5,000	3,000	D	D	D	D	D	D	D
Other	D	D	D	D	D	D	D	D	D
Other social/related scientists	69,000	13,000	7,000	11,000	13,000	8,000	2,000	10,000	3,000
Hispanic or Latino	2,000	S	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	4,000	1,000	D	D	D	D	D	D	D
Black or African American	S	D	D	D	D	D	D	D	D
White	58,000	10,000	6,000	11,000	10,000	7,000	S	10,000	3,000
Other	S	D	D	D	D	D	D	D	D
Engineering occupations	994,000	145,000	128,000	155,000	122,000	140,000	126,000	84,000	94,000
Hispanic or Latino	63,000	13,000	9,000	15,000	6,000	6,000	7,000	2,000	4,000
Not Hispanic or Latino									
American Indian or Alaska Native	3,000	*	*	D	D	D	D	D	D
Asian	98,000	22,000	15,000	12,000	13,000	11,000	11,000	7,000	7,000
Black or African American	34,000	6,000	6,000	5,000	4,000	5,000	5,000	2,000	S
White	769,000	96,000	94,000	116,000	95,000	115,000	102,000	71,000	80,000
Other	27,000	7,000	3,000	7,000	3,000	3,000	1,000	1,000	2,000
Aerospace/aeronautical/astronautical engineers	57,000	8,000	5,000	8,000	6,000	12,000	7,000	4,000	8,000
Hispanic or Latino	4,000	1,000	*	S	D	S	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	5,000	1,000	1,000	D	D	1,000	D	S	D
Black or African American	2,000	*	D	D	D	D	D	D	D
White	42,000	5,000	4,000	4,000	4,000	9,000	6,000	3,000	7,000
Other	3,000	1,000	D	D	D	S	D	D	D
Chemical engineers	45,000	7,000	6,000	7,000	8,000	5,000	5,000	4,000	3,000
Hispanic or Latino	3,000	*	*	D	D	D	D	D	D
Not Hispanic or Latino									

TABLE 11. Employed U.S. scientists and engineers, by level of highest degree, occupation, ethnicity, race, and years since highest degree: 2008

Highest degree, occupation, ethnicity, and race[a]	Employed scientists and engineers	Years since highest degree							
		<5 years	5–9 years	10–14 years	15–19 years	20–24 years	25–29 years	30–34 years	35+ years
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	4,000	1,000	1,000	D	D	D	D	D	D
Black or African American	1,000	*	D	D	D	D	D	D	D
White	35,000	4,000	4,000	5,000	6,000	4,000	4,000	4,000	2,000
Other	2,000	*	D	D	D	D	D	D	D
Civil/architectural/sanitary engineers	176,000	26,000	25,000	34,000	15,000	25,000	15,000	17,000	20,000
Hispanic or Latino	15,000	2,000	2,000	5,000	1,000	1,000	S	1,000	2,000
Not Hispanic or Latino									
American Indian or Alaska Native	1,000	*	D	D	D	D	D	D	D
Asian	13,000	3,000	1,000	1,000	*	1,000	2,000	2,000	3,000
Black or African American	6,000	1,000	1,000	D	1,000	1,000	D	D	D
White	136,000	19,000	20,000	24,000	13,000	21,000	12,000	13,000	14,000
Other	6,000	1,000	*	3,000	D	D	D	D	D
Electrical/computer hardware engineers	240,000	31,000	31,000	36,000	32,000	38,000	35,000	21,000	16,000
Hispanic or Latino	15,000	3,000	3,000	3,000	2,000	1,000	1,000	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	41,000	8,000	6,000	5,000	7,000	5,000	4,000	3,000	2,000
Black or African American	10,000	2,000	1,000	2,000	1,000	3,000	S	1,000	D
White	167,000	17,000	19,000	24,000	22,000	28,000	28,000	16,000	13,000
Other	7,000	2,000	2,000	1,000	D	D	D	D	D
Industrial engineers	68,000	10,000	9,000	12,000	10,000	10,000	7,000	8,000	3,000
Hispanic or Latino	7,000	2,000	1,000	D	S	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	10,000	1,000	S	3,000	D	S	D	D	D
Black or African American	3,000	1,000	*	D	D	D	D	D	D
White	46,000	6,000	5,000	7,000	6,000	7,000	5,000	6,000	3,000
Other	2,000	*	D	D	D	D	D	D	D
Mechanical engineers	198,000	35,000	25,000	28,000	27,000	25,000	24,000	13,000	21,000
Hispanic or Latino	9,000	2,000	1,000	2,000	1,000	1,000	1,000	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	1,000	*	D	D	D	D	D	D	D
Asian	13,000	4,000	2,000	1,000	1,000	1,000	2,000	1,000	1,000
Black or African American	5,000	1,000	1,000	D	D	D	D	D	D
White	167,000	26,000	21,000	24,000	24,000	22,000	19,000	12,000	18,000
Other	4,000	2,000	D	D	D	D	D	D	D
Postsecondary teachers-engineering	6,000	2,000	S	D	D	D	D	D	S
Hispanic or Latino	*	*	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	D	D	D	D	D	D	D	D	D
Black or African American	1,000	D	D	D	D	D	D	D	D
White	4,000	1,000	D	D	D	D	D	D	S
Other	D	D	D	D	D	D	D	D	D
Other engineers	204,000	27,000	25,000	30,000	24,000	26,000	33,000	17,000	22,000
Hispanic or Latino	10,000	2,000	1,000	1,000	1,000	1,000	3,000	D	1,000
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	12,000	3,000	2,000	S	2,000	D	2,000	D	*
Black or African American	6,000	1,000	S	1,000	D	D	D	D	D
White	172,000	20,000	19,000	26,000	20,000	22,000	28,000	17,000	21,000

TABLE 11. Employed U.S. scientists and engineers, by level of highest degree, occupation, ethnicity, race, and years since highest degree: 2008

Highest degree, occupation, ethnicity, and race[a]	Employed scientists and engineers	Years since highest degree							
		<5 years	5–9 years	10–14 years	15–19 years	20–24 years	25–29 years	30–34 years	35+ years
Other	3,000	1,000	D	D	D	D	D	D	D
S&E-related occupations	2,910,000	411,000	350,000	463,000	408,000	400,000	365,000	276,000	237,000
Hispanic or Latino	158,000	28,000	21,000	26,000	22,000	25,000	16,000	13,000	7,000
Not Hispanic or Latino									
American Indian or Alaska Native	14,000	2,000	2,000	D	S	D	D	D	D
Asian	265,000	36,000	32,000	36,000	37,000	28,000	43,000	27,000	27,000
Black or African American	181,000	35,000	25,000	28,000	25,000	23,000	21,000	13,000	9,000
White	2,218,000	293,000	258,000	356,000	311,000	316,000	279,000	216,000	190,000
Other	73,000	17,000	12,000	16,000	9,000	6,000	3,000	7,000	4,000
Health occupations	1,899,000	312,000	240,000	302,000	254,000	236,000	243,000	169,000	141,000
Hispanic or Latino	99,000	20,000	12,000	14,000	14,000	13,000	11,000	9,000	5,000
Not Hispanic or Latino									
American Indian or Alaska Native	9,000	2,000	D	D	D	D	D	D	D
Asian	184,000	25,000	18,000	20,000	28,000	18,000	32,000	23,000	20,000
Black or African American	137,000	30,000	18,000	23,000	19,000	17,000	15,000	8,000	5,000
White	1,418,000	222,000	182,000	233,000	184,000	183,000	182,000	123,000	107,000
Other	52,000	13,000	9,000	10,000	7,000	S	3,000	5,000	S
S&E managers, including health	265,000	8,000	18,000	40,000	47,000	48,000	40,000	37,000	27,000
Hispanic or Latino	15,000	1,000	1,000	2,000	4,000	3,000	1,000	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	2,000	D	D	D	D	D	D	D	D
Asian	18,000	D	D	6,000	4,000	2,000	S	*	2,000
Black or African American	16,000	D	4,000	2,000	S	2,000	3,000	2,000	D
White	208,000	5,000	12,000	27,000	37,000	39,000	32,000	32,000	22,000
Other	6,000	D	D	D	D	D	D	D	S
S&E precollege teachers	244,000	33,000	39,000	36,000	34,000	28,000	25,000	27,000	21,000
Hispanic or Latino	17,000	3,000	3,000	4,000	2,000	3,000	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	1,000	D	D	D	D	D	D	D	D
Asian	8,000	2,000	3,000	D	D	D	D	D	D
Black or African American	14,000	3,000	2,000	S	D	D	D	D	2,000
White	200,000	25,000	30,000	27,000	30,000	24,000	21,000	24,000	19,000
Other	3,000	*	D	D	D	D	D	D	D
S&E technicians/technologists	355,000	52,000	46,000	53,000	50,000	61,000	38,000	29,000	27,000
Hispanic or Latino	18,000	3,000	4,000	4,000	2,000	3,000	S	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	S	D	D	D	D	D	D	D	D
Asian	41,000	7,000	8,000	6,000	4,000	6,000	4,000	3,000	4,000
Black or African American	10,000	2,000	1,000	1,000	2,000	2,000	1,000	1,000	D
White	274,000	38,000	30,000	41,000	42,000	48,000	29,000	23,000	23,000
Other	11,000	3,000	3,000	D	D	D	D	D	D
Other S&E-related occupations	148,000	4,000	7,000	33,000	22,000	27,000	19,000	15,000	21,000
Hispanic or Latino	9,000	D	2,000	D	D	2,000	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	14,000	1,000	2,000	3,000	D	2,000	3,000	D	D
Black or African American	4,000	D	D	D	D	1,000	D	D	D
White	119,000	3,000	3,000	27,000	18,000	21,000	14,000	12,000	19,000
Other	S	D	D	D	D	D	D	D	D

TABLE 11. Employed U.S. scientists and engineers, by level of highest degree, occupation, ethnicity, race, and years since highest degree: 2008

Highest degree, occupation, ethnicity, and race[a]	Employed scientists and engineers	Years since highest degree							
		<5 years	5–9 years	10–14 years	15–19 years	20–24 years	25–29 years	30–34 years	35+ years
Non-S&E occupations	5,115,000	746,000	618,000	680,000	637,000	628,000	593,000	577,000	636,000
Hispanic or Latino	330,000	76,000	53,000	59,000	40,000	37,000	34,000	19,000	12,000
Not Hispanic or Latino									
American Indian or Alaska Native	23,000	1,000	4,000	6,000	6,000	D	D	2,000	D
Asian	397,000	79,000	52,000	45,000	54,000	45,000	45,000	30,000	46,000
Black or African American	351,000	64,000	60,000	46,000	38,000	42,000	42,000	36,000	22,000
White	3,893,000	489,000	430,000	508,000	481,000	492,000	462,000	480,000	550,000
Other	121,000	36,000	19,000	15,000	18,000	11,000	7,000	10,000	6,000
Arts/humanities/related occupations	180,000	28,000	21,000	29,000	33,000	19,000	15,000	17,000	17,000
Hispanic or Latino	11,000	S	D	3,000	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	10,000	4,000	S	D	D	D	D	D	D
Black or African American	8,000	1,000	2,000	D	D	D	D	D	D
White	145,000	20,000	16,000	22,000	25,000	17,000	14,000	16,000	16,000
Other	4,000	1,000	D	D	D	D	D	D	D
Management-related occupations	766,000	118,000	110,000	116,000	97,000	87,000	86,000	77,000	76,000
Hispanic or Latino	51,000	12,000	13,000	6,000	7,000	5,000	3,000	4,000	2,000
Not Hispanic or Latino									
American Indian or Alaska Native	4,000	D	D	D	D	D	D	1,000	D
Asian	84,000	24,000	15,000	13,000	8,000	5,000	10,000	4,000	5,000
Black or African American	62,000	7,000	8,000	13,000	6,000	8,000	7,000	8,000	5,000
White	545,000	68,000	71,000	81,000	74,000	66,000	64,000	58,000	64,000
Other	20,000	6,000	3,000	S	D	S	D	D	D
Non-S&E managers	596,000	21,000	35,000	83,000	82,000	96,000	98,000	100,000	81,000
Hispanic or Latino	29,000	3,000	2,000	10,000	5,000	4,000	3,000	3,000	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	31,000	1,000	2,000	5,000	7,000	3,000	4,000	4,000	5,000
Black or African American	24,000	2,000	4,000	D	2,000	5,000	4,000	3,000	D
White	504,000	14,000	27,000	64,000	64,000	84,000	87,000	89,000	74,000
Other	7,000	1,000	D	D	4,000	D	D	D	D
Non-S&E postsecondary teachers	27,000	11,000	1,000	S	S	1,000	4,000	3,000	4,000
Hispanic or Latino	4,000	D	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	D	D	D	D	D	D	D	D	D
Black or African American	2,000	1,000	D	D	D	D	D	D	D
White	19,000	9,000	S	S	S	D	3,000	1,000	S
Other	S	D	D	D	D	D	D	D	D
Non-S&E precollege/other teachers	353,000	56,000	43,000	46,000	44,000	63,000	44,000	26,000	31,000
Hispanic or Latino	39,000	7,000	8,000	5,000	6,000	5,000	5,000	3,000	D
Not Hispanic or Latino									
American Indian or Alaska Native	1,000	D	D	D	D	D	D	D	D
Asian	16,000	S	D	D	5,000	D	D	D	D
Black or African American	32,000	6,000	4,000	7,000	D	4,000	D	D	4,000
White	258,000	40,000	28,000	31,000	30,000	50,000	34,000	19,000	26,000
Other	8,000	2,000	D	D	D	D	D	D	D
Sales/marketing occupations	1,019,000	109,000	120,000	139,000	139,000	134,000	102,000	110,000	166,000
Hispanic or Latino	42,000	9,000	7,000	11,000	5,000	3,000	3,000	2,000	2,000
Not Hispanic or Latino									
American Indian or Alaska Native	5,000	D	S	D	D	D	D	D	D

TABLE 11. Employed U.S. scientists and engineers, by level of highest degree, occupation, ethnicity, race, and years since highest degree: 2008

Highest degree, occupation, ethnicity, and race[a]	Employed scientists and engineers	Years since highest degree							
		<5 years	5–9 years	10–14 years	15–19 years	20–24 years	25–29 years	30–34 years	35+ years
Asian	74,000	12,000	10,000	9,000	7,000	12,000	7,000	6,000	10,000
Black or African American	38,000	7,000	6,000	S	7,000	4,000	4,000	5,000	4,000
White	835,000	74,000	92,000	110,000	114,000	113,000	88,000	96,000	148,000
Other	24,000	6,000	4,000	5,000	D	S	D	D	D
Social services/related occupations	256,000	71,000	50,000	40,000	19,000	23,000	21,000	23,000	8,000
Hispanic or Latino	29,000	10,000	5,000	6,000	S	2,000	S	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	1,000	D	D	D	D	D	D	D	D
Asian	7,000	2,000	D	D	D	D	D	D	D
Black or African American	37,000	10,000	11,000	5,000	2,000	2,000	4,000	3,000	D
White	176,000	44,000	32,000	28,000	14,000	18,000	14,000	18,000	7,000
Other	6,000	4,000	S	D	D	D	D	D	D
Other non-S&E occupations	1,918,000	333,000	237,000	226,000	221,000	204,000	223,000	221,000	252,000
Hispanic or Latino	124,000	34,000	18,000	19,000	13,000	17,000	16,000	4,000	5,000
Not Hispanic or Latino									
American Indian or Alaska Native	10,000	1,000	1,000	3,000	S	D	D	D	D
Asian	175,000	33,000	21,000	16,000	23,000	20,000	22,000	16,000	24,000
Black or African American	147,000	30,000	25,000	14,000	16,000	18,000	22,000	14,000	8,000
White	1,411,000	220,000	163,000	169,000	160,000	145,000	159,000	183,000	212,000
Other	50,000	15,000	9,000	5,000	6,000	4,000	S	4,000	3,000
Master's degrees, all occupations	5,690,000	1,280,000	993,000	923,000	740,000	598,000	487,000	370,000	300,000
Hispanic or Latino	292,000	101,000	58,000	45,000	32,000	24,000	19,000	11,000	3,000
Not Hispanic or Latino									
American Indian or Alaska Native	21,000	6,000	3,000	S	6,000	S	D	D	D
Asian	687,000	210,000	138,000	116,000	84,000	55,000	36,000	24,000	23,000
Black or African American	350,000	99,000	74,000	63,000	38,000	29,000	22,000	16,000	8,000
White	4,251,000	827,000	705,000	683,000	575,000	482,000	404,000	313,000	262,000
Other	90,000	36,000	15,000	16,000	5,000	6,000	5,000	4,000	3,000
S&E occupations	1,519,000	373,000	266,000	262,000	210,000	145,000	109,000	84,000	69,000
Hispanic or Latino	65,000	27,000	10,000	12,000	7,000	3,000	4,000	1,000	1,000
Not Hispanic or Latino									
American Indian or Alaska Native	5,000	1,000	*	S	D	D	D	D	D
Asian	374,000	125,000	82,000	71,000	46,000	23,000	12,000	9,000	7,000
Black or African American	58,000	20,000	13,000	9,000	6,000	4,000	4,000	1,000	1,000
White	992,000	190,000	155,000	166,000	148,000	114,000	89,000	72,000	59,000
Other	24,000	10,000	5,000	3,000	2,000	S	1,000	1,000	D
Science occupations	1,038,000	260,000	177,000	181,000	146,000	100,000	76,000	56,000	42,000
Hispanic or Latino	42,000	20,000	6,000	6,000	5,000	3,000	2,000	D	1,000
Not Hispanic or Latino									
American Indian or Alaska Native	4,000	1,000	*	D	D	D	D	D	D
Asian	264,000	87,000	59,000	54,000	34,000	15,000	7,000	4,000	4,000
Black or African American	46,000	15,000	11,000	7,000	4,000	4,000	4,000	1,000	1,000
White	665,000	131,000	98,000	112,000	100,000	76,000	62,000	49,000	36,000
Other	17,000	7,000	4,000	2,000	2,000	S	1,000	1,000	D
Biological/agricultural/other life scientists	128,000	40,000	24,000	18,000	12,000	11,000	12,000	6,000	4,000
Hispanic or Latino	9,000	5,000	1,000	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	22,000	8,000	6,000	4,000	1,000	1,000	S	S	S
Black or African American	2,000	1,000	*	D	D	D	D	D	D
White	92,000	25,000	16,000	13,000	10,000	9,000	10,000	5,000	3,000
Other	2,000	1,000	S	D	D	D	D	D	D

TABLE 11. Employed U.S. scientists and engineers, by level of highest degree, occupation, ethnicity, race, and years since highest degree: 2008

Highest degree, occupation, ethnicity, and race[a]	Employed scientists and engineers	Years since highest degree							
		<5 years	5–9 years	10–14 years	15–19 years	20–24 years	25–29 years	30–34 years	35+ years
Agricultural/food scientists	15,000	4,000	2,000	1,000	1,000	3,000	2,000	D	D
Hispanic or Latino	S	S	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	2,000	S	D	D	D	D	D	D	D
Black or African American	*	D	D	D	D	D	D	D	D
White	11,000	2,000	1,000	1,000	D	3,000	1,000	D	D
Other	D	D	D	D	D	D	D	D	D
Biological/medical scientists	86,000	30,000	16,000	14,000	10,000	5,000	7,000	4,000	1,000
Hispanic or Latino	6,000	4,000	*	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	18,000	6,000	5,000	4,000	1,000	1,000	D	D	D
Black or African American	2,000	1,000	*	D	D	D	D	D	D
White	58,000	19,000	9,000	9,000	8,000	4,000	6,000	3,000	1,000
Other	1,000	D	D	D	D	D	D	D	D
Environmental life scientists	11,000	3,000	3,000	D	D	1,000	S	D	D
Hispanic or Latino	D	D	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	D	D	D	D	D	D	D	D	D
Black or African American	D	D	D	D	D	D	D	D	D
White	10,000	S	2,000	D	D	1,000	S	D	D
Other	D	D	D	D	D	D	D	D	D
Postsecondary teachers-life/ related sciences	16,000	4,000	3,000	3,000	1,000	D	D	D	1,000
Hispanic or Latino	*	*	*	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	1,000	S	D	D	D	D	D	D	D
Black or African American	*	D	D	D	D	D	D	D	D
White	14,000	2,000	3,000	3,000	1,000	D	D	D	1,000
Other	D	D	D	D	D	D	D	D	D
Computer/mathematical scientists	608,000	142,000	107,000	119,000	94,000	59,000	40,000	29,000	19,000
Hispanic or Latino	19,000	8,000	3,000	4,000	3,000	1,000	1,000	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	S	D	D	D	D	D	D	D	D
Asian	214,000	69,000	47,000	44,000	30,000	13,000	6,000	3,000	2,000
Black or African American	31,000	9,000	8,000	5,000	3,000	3,000	2,000	D	D
White	333,000	52,000	48,000	64,000	56,000	41,000	30,000	26,000	16,000
Other	10,000	3,000	2,000	2,000	S	D	D	D	D
Computer/information scientists	523,000	117,000	94,000	107,000	85,000	51,000	33,000	24,000	12,000
Hispanic or Latino	15,000	6,000	2,000	3,000	3,000	1,000	1,000	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	*	D	D	D	D	D	D	D	D
Asian	198,000	60,000	45,000	42,000	30,000	13,000	5,000	3,000	2,000
Black or African American	26,000	8,000	7,000	4,000	3,000	2,000	1,000	D	D
White	274,000	41,000	38,000	56,000	48,000	35,000	25,000	21,000	10,000
Other	9,000	3,000	2,000	2,000	S	D	D	D	D
Mathematical scientists	46,000	15,000	9,000	7,000	5,000	5,000	2,000	2,000	2,000
Hispanic or Latino	S	S	D	D	D	D	D	D	D
Not Hispanic or Latino									

TABLE 11. Employed U.S. scientists and engineers, by level of highest degree, occupation, ethnicity, race, and years since highest degree: 2008

Highest degree, occupation, ethnicity, and race[a]	Employed scientists and engineers	Years since highest degree							
		<5 years	5–9 years	10–14 years	15–19 years	20–24 years	25–29 years	30–34 years	35+ years
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	12,000	8,000	1,000	1,000	D	S	D	D	D
Black or African American	3,000	S	D	D	D	D	D	D	D
White	29,000	5,000	6,000	5,000	4,000	3,000	2,000	S	S
Other	*	*	D	D	D	D	D	D	D
Postsecondary teachers-computer/ mathematical sciences	39,000	9,000	5,000	5,000	4,000	4,000	5,000	3,000	5,000
Hispanic or Latino	2,000	S	1,000	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	4,000	1,000	1,000	S	D	D	D	D	D
Black or African American	3,000	1,000	*	D	D	D	S	D	D
White	30,000	7,000	3,000	3,000	3,000	3,000	3,000	3,000	5,000
Other	*	*	D	D	D	D	D	D	D
Physical/related scientists	84,000	19,000	14,000	13,000	11,000	9,000	7,000	5,000	6,000
Hispanic or Latino	3,000	1,000	1,000	D	1,000	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	*	D	D	D	D	D	D	D	D
Asian	13,000	4,000	2,000	4,000	1,000	D	D	D	1,000
Black or African American	2,000	1,000	*	D	D	D	D	D	D
White	64,000	13,000	11,000	8,000	9,000	8,000	6,000	4,000	5,000
Other	1,000	*	*	D	D	D	D	D	D
Chemists, except biochemists	26,000	5,000	4,000	5,000	4,000	3,000	2,000	2,000	2,000
Hispanic or Latino	1,000	*	*	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	8,000	1,000	1,000	4,000	S	D	D	D	1,000
Black or African American	1,000	*	*	D	D	D	D	D	D
White	15,000	2,000	2,000	1,000	3,000	2,000	S	1,000	1,000
Other	D	D	D	D	D	D	D	D	D
Earth/atmospheric/ocean scientists	30,000	5,000	5,000	3,000	4,000	5,000	4,000	1,000	2,000
Hispanic or Latino	1,000	*	*	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	*	D	D	D	D	D	D	D	D
Asian	1,000	1,000	*	D	D	D	D	D	D
Black or African American	*	*	D	D	D	D	D	D	D
White	26,000	4,000	4,000	3,000	4,000	5,000	3,000	1,000	1,000
Other	1,000	D	D	D	D	D	D	D	D
Physicists/astronomers	6,000	3,000	1,000	D	D	D	1,000	D	D
Hispanic or Latino	*	*	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	1,000	1,000	D	D	D	D	D	D	D
Black or African American	*	*	D	D	D	D	D	D	D
White	4,000	2,000	1,000	D	D	D	D	D	D
Other	*	*	D	D	D	D	D	D	D
Postsecondary teachers-physical/ related sciences	12,000	4,000	3,000	D	1,000	1,000	D	1,000	S
Hispanic or Latino	*	*	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	2,000	1,000	D	D	D	D	D	D	D

TABLE 11. Employed U.S. scientists and engineers, by level of highest degree, occupation, ethnicity, race, and years since highest degree: 2008

Highest degree, occupation, ethnicity, and race[a]	Employed scientists and engineers	Years since highest degree							
		<5 years	5–9 years	10–14 years	15–19 years	20–24 years	25–29 years	30–34 years	35+ years
Black or African American	*	*	D	D	D	D	D	D	D
White	10,000	2,000	2,000	D	1,000	1,000	D	1,000	S
Other	D	D	D	D	D	D	D	D	D
Other physical/related scientists	10,000	2,000	1,000	S	2,000	D	D	D	D
Hispanic or Latino	D	D	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	D	D	D	D	D	D	D	D	D
Black or African American	*	D	D	D	D	D	D	D	D
White	9,000	2,000	1,000	S	2,000	D	D	D	D
Other	D	D	D	D	D	D	D	D	D
Social/related scientists	218,000	60,000	32,000	32,000	29,000	21,000	17,000	16,000	12,000
Hispanic or Latino	12,000	6,000	2,000	D	1,000	1,000	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	2,000	D	D	D	D	D	D	D	D
Asian	14,000	6,000	4,000	1,000	1,000	D	D	D	D
Black or African American	10,000	4,000	2,000	2,000	D	D	D	D	D
White	175,000	41,000	24,000	26,000	25,000	17,000	16,000	14,000	12,000
Other	4,000	2,000	D	D	D	D	D	D	D
Economists	15,000	4,000	2,000	3,000	3,000	D	1,000	D	1,000
Hispanic or Latino	*	*	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	1,000	1,000	1,000	D	D	D	D	D	D
Black or African American	S	S	D	D	D	D	D	D	D
White	11,000	2,000	1,000	2,000	3,000	D	1,000	D	1,000
Other	D	D	D	D	D	D	D	D	D
Political/related scientists	10,000	3,000	2,000	D	D	D	D	D	D
Hispanic or Latino	*	*	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	D	D	D	D	D	D	D	D	D
Black or African American	*	*	D	D	D	D	D	D	D
White	9,000	3,000	2,000	D	D	D	D	D	D
Other	D	D	D	D	D	D	D	D	D
Postsecondary teachers-social/ related sciences	33,000	11,000	3,000	5,000	4,000	2,000	3,000	3,000	3,000
Hispanic or Latino	2,000	1,000	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	3,000	2,000	D	D	D	D	D	D	D
Black or African American	2,000	*	S	D	D	D	D	D	D
White	25,000	8,000	2,000	4,000	2,000	1,000	2,000	2,000	3,000
Other	1,000	*	D	D	D	D	D	D	D
Psychologists	95,000	23,000	12,000	12,000	14,000	9,000	11,000	8,000	5,000
Hispanic or Latino	6,000	3,000	1,000	D	1,000	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	3,000	2,000	D	D	D	D	D	D	D
Black or African American	4,000	1,000	1,000	1,000	D	D	D	D	D

TABLE 11. Employed U.S. scientists and engineers, by level of highest degree, occupation, ethnicity, race, and years since highest degree: 2008

Highest degree, occupation, ethnicity, and race[a]	Employed scientists and engineers	Years since highest degree							
		<5 years	5–9 years	10–14 years	15–19 years	20–24 years	25–29 years	30–34 years	35+ years
White	79,000	16,000	10,000	10,000	13,000	8,000	11,000	7,000	5,000
Other	2,000	1,000	D	D	D	D	D	D	D
Sociologists/anthropologists	9,000	4,000	1,000	D	D	D	D	D	D
Hispanic or Latino	1,000	1,000	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	*	D	D	D	D	D	D	D	D
Black or African American	*	*	D	D	D	D	D	D	D
White	7,000	3,000	D	D	D	D	D	D	D
Other	D	D	D	D	D	D	D	D	D
Other social/related scientists	56,000	14,000	11,000	10,000	6,000	6,000	2,000	3,000	3,000
Hispanic or Latino	3,000	1,000	*	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	6,000	2,000	2,000	D	D	D	D	D	D
Black or African American	2,000	1,000	D	D	D	D	D	D	D
White	44,000	9,000	8,000	8,000	5,000	5,000	2,000	3,000	3,000
Other	1,000	D	D	D	D	D	D	D	D
Engineering occupations	480,000	113,000	88,000	80,000	64,000	46,000	33,000	29,000	27,000
Hispanic or Latino	22,000	8,000	4,000	6,000	2,000	*	1,000	S	D
Not Hispanic or Latino									
American Indian or Alaska Native	1,000	*	D	D	D	D	D	D	D
Asian	111,000	39,000	23,000	17,000	12,000	7,000	5,000	5,000	3,000
Black or African American	13,000	5,000	2,000	2,000	2,000	D	*	D	D
White	328,000	58,000	57,000	54,000	48,000	37,000	26,000	23,000	24,000
Other	7,000	3,000	1,000	1,000	D	D	D	D	D
Aerospace/aeronautical/astronautical engineers	37,000	9,000	7,000	4,000	5,000	3,000	2,000	2,000	4,000
Hispanic or Latino	2,000	S	*	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	4,000	2,000	*	D	1,000	D	D	D	D
Black or African American	S	*	D	D	D	D	D	D	D
White	29,000	5,000	6,000	4,000	3,000	3,000	2,000	2,000	4,000
Other	1,000	*	D	D	D	D	D	D	D
Chemical engineers	23,000	3,000	3,000	3,000	3,000	3,000	2,000	3,000	2,000
Hispanic or Latino	S	*	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	6,000	1,000	1,000	S	D	D	D	1,000	D
Black or African American	1,000	*	D	D	D	D	D	D	D
White	16,000	2,000	2,000	2,000	3,000	3,000	1,000	1,000	2,000
Other	*	D	D	D	D	D	D	D	D
Civil/architectural/sanitary engineers	76,000	15,000	13,000	15,000	9,000	7,000	5,000	7,000	4,000
Hispanic or Latino	3,000	1,000	1,000	1,000	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	13,000	4,000	3,000	2,000	2,000	*	1,000	1,000	1,000
Black or African American	2,000	1,000	*	D	D	D	D	D	D
White	56,000	8,000	9,000	12,000	7,000	6,000	4,000	6,000	3,000
Other	1,000	*	D	D	D	D	D	D	D

TABLE 11. Employed U.S. scientists and engineers, by level of highest degree, occupation, ethnicity, race, and years since highest degree: 2008

Highest degree, occupation, ethnicity, and race[a]	Employed scientists and engineers	Years since highest degree							
		<5 years	5–9 years	10–14 years	15–19 years	20–24 years	25–29 years	30–34 years	35+ years
Electrical/computer hardware engineers	133,000	33,000	20,000	24,000	20,000	13,000	10,000	6,000	5,000
Hispanic or Latino	6,000	2,000	*	2,000	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	49,000	16,000	10,000	9,000	6,000	4,000	1,000	2,000	1,000
Black or African American	3,000	1,000	*	1,000	D	D	D	D	D
White	73,000	13,000	9,000	13,000	14,000	8,000	8,000	4,000	5,000
Other	2,000	1,000	D	D	D	D	D	D	D
Industrial engineers	23,000	7,000	6,000	3,000	3,000	2,000	1,000	1,000	D
Hispanic or Latino	2,000	1,000	1,000	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	3,000	2,000	D	D	D	D	D	D	D
Black or African American	S	*	D	D	D	D	D	D	D
White	17,000	4,000	5,000	2,000	S	2,000	D	S	D
Other	D	D	D	D	D	D	D	D	D
Mechanical engineers	91,000	24,000	20,000	13,000	12,000	8,000	5,000	4,000	5,000
Hispanic or Latino	3,000	1,000	1,000	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	18,000	6,000	5,000	3,000	2,000	1,000	*	*	D
Black or African American	3,000	1,000	*	D	D	D	D	D	D
White	66,000	15,000	14,000	9,000	9,000	7,000	4,000	3,000	4,000
Other	1,000	*	*	D	D	D	D	D	D
Postsecondary teachers-engineering	8,000	3,000	1,000	D	D	2,000	D	D	D
Hispanic or Latino	1,000	*	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	1,000	1,000	D	D	D	D	D	D	D
Black or African American	*	*	D	D	D	D	D	D	D
White	6,000	1,000	1,000	D	D	2,000	D	D	D
Other	D	D	D	D	D	D	D	D	D
Other engineers	90,000	19,000	17,000	16,000	11,000	7,000	8,000	6,000	5,000
Hispanic or Latino	4,000	1,000	1,000	1,000	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	17,000	7,000	4,000	2,000	1,000	1,000	D	D	D
Black or African American	3,000	*	1,000	D	D	D	D	D	D
White	66,000	11,000	11,000	12,000	9,000	6,000	7,000	5,000	5,000
Other	1,000	*	*	D	D	D	D	D	D
S&E-related occupations	1,404,000	341,000	272,000	226,000	177,000	155,000	119,000	67,000	48,000
Hispanic or Latino	61,000	23,000	10,000	10,000	6,000	5,000	4,000	2,000	D
Not Hispanic or Latino									
American Indian or Alaska Native	4,000	1,000	1,000	D	D	D	D	D	D
Asian	113,000	33,000	23,000	14,000	11,000	16,000	8,000	5,000	2,000
Black or African American	83,000	21,000	19,000	13,000	10,000	9,000	6,000	3,000	2,000
White	1,123,000	253,000	217,000	185,000	147,000	124,000	97,000	56,000	43,000
Other	21,000	10,000	2,000	3,000	D	1,000	2,000	D	D
Health occupations	724,000	198,000	154,000	116,000	81,000	76,000	53,000	27,000	18,000
Hispanic or Latino	31,000	12,000	7,000	4,000	3,000	3,000	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	3,000	1,000	D	D	D	D	D	D	D

TABLE 11. Employed U.S. scientists and engineers, by level of highest degree, occupation, ethnicity, race, and years since highest degree: 2008

Highest degree, occupation, ethnicity, and race[a]	Employed scientists and engineers	Years since highest degree							
		<5 years	5–9 years	10–14 years	15–19 years	20–24 years	25–29 years	30–34 years	35+ years
Asian	53,000	18,000	10,000	4,000	3,000	8,000	5,000	2,000	2,000
Black or African American	44,000	13,000	10,000	6,000	4,000	7,000	4,000	D	D
White	582,000	148,000	126,000	100,000	69,000	58,000	41,000	24,000	16,000
Other	11,000	6,000	D	2,000	D	1,000	D	D	D
S&E managers, including health	194,000	26,000	22,000	38,000	37,000	30,000	24,000	12,000	6,000
Hispanic or Latino	9,000	4,000	S	1,000	1,000	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	19,000	3,000	3,000	3,000	5,000	3,000	1,000	S	D
Black or African American	9,000	2,000	1,000	2,000	2,000	D	D	D	D
White	155,000	17,000	17,000	30,000	29,000	26,000	21,000	10,000	5,000
Other	2,000	D	D	D	D	D	D	D	D
S&E precollege teachers	334,000	92,000	70,000	44,000	39,000	32,000	26,000	19,000	12,000
Hispanic or Latino	12,000	5,000	1,000	1,000	2,000	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	10,000	5,000	2,000	1,000	D	D	D	D	D
Black or African American	25,000	5,000	8,000	4,000	2,000	D	D	D	S
White	281,000	74,000	58,000	38,000	34,000	28,000	22,000	16,000	11,000
Other	5,000	3,000	D	D	D	D	D	D	D
S&E technicians/technologists	85,000	21,000	16,000	15,000	7,000	10,000	8,000	4,000	4,000
Hispanic or Latino	4,000	S	S	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	24,000	7,000	6,000	4,000	2,000	3,000	1,000	1,000	D
Black or African American	3,000	1,000	D	D	D	D	D	D	D
White	53,000	11,000	9,000	9,000	5,000	7,000	7,000	3,000	4,000
Other	1,000	D	D	D	D	D	D	D	D
Other S&E-related occupations	67,000	5,000	9,000	12,000	13,000	7,000	8,000	5,000	8,000
Hispanic or Latino	4,000	S	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	7,000	2,000	2,000	D	D	D	D	D	D
Black or African American	2,000	*	D	D	D	D	D	D	D
White	52,000	2,000	7,000	9,000	10,000	5,000	7,000	4,000	7,000
Other	D	D	D	D	D	D	D	D	D
Non-S&E occupations	2,768,000	565,000	455,000	436,000	353,000	298,000	259,000	218,000	184,000
Hispanic or Latino	167,000	50,000	38,000	23,000	19,000	16,000	11,000	7,000	2,000
Not Hispanic or Latino									
American Indian or Alaska Native	12,000	4,000	2,000	D	3,000	D	D	D	D
Asian	199,000	52,000	33,000	31,000	27,000	16,000	16,000	10,000	14,000
Black or African American	209,000	58,000	42,000	40,000	22,000	16,000	12,000	12,000	5,000
White	2,135,000	385,000	333,000	331,000	279,000	244,000	218,000	185,000	160,000
Other	45,000	16,000	8,000	9,000	2,000	4,000	2,000	D	2,000
Arts/humanities/related occupations	95,000	17,000	13,000	15,000	11,000	14,000	8,000	9,000	8,000
Hispanic or Latino	3,000	*	S	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	8,000	3,000	S	D	D	D	D	D	D
Black or African American	3,000	S	D	D	D	D	D	D	D
White	78,000	11,000	8,000	14,000	10,000	13,000	8,000	8,000	7,000
Other	1,000	1,000	D	D	D	D	D	D	D

TABLE 11. Employed U.S. scientists and engineers, by level of highest degree, occupation, ethnicity, race, and years since highest degree: 2008

Highest degree, occupation, ethnicity, and race[a]	Employed scientists and engineers	Years since highest degree							
		<5 years	5–9 years	10–14 years	15–19 years	20–24 years	25–29 years	30–34 years	35+ years
Management-related occupations	479,000	104,000	71,000	89,000	58,000	43,000	46,000	34,000	34,000
Hispanic or Latino	28,000	5,000	7,000	4,000	4,000	6,000	D	1,000	D
Not Hispanic or Latino									
American Indian or Alaska Native	S	D	D	D	D	D	D	D	D
Asian	60,000	19,000	10,000	9,000	8,000	4,000	4,000	2,000	3,000
Black or African American	37,000	12,000	5,000	8,000	4,000	D	D	4,000	D
White	345,000	66,000	48,000	64,000	40,000	31,000	38,000	27,000	30,000
Other	7,000	2,000	D	3,000	D	D	D	D	D
Non-S&E managers	531,000	63,000	84,000	81,000	83,000	68,000	51,000	62,000	39,000
Hispanic or Latino	28,000	7,000	7,000	4,000	4,000	3,000	S	2,000	D
Not Hispanic or Latino									
American Indian or Alaska Native	3,000	D	D	D	D	D	D	D	D
Asian	33,000	5,000	4,000	6,000	6,000	4,000	2,000	3,000	2,000
Black or African American	29,000	3,000	7,000	8,000	3,000	3,000	S	S	D
White	430,000	47,000	64,000	61,000	69,000	55,000	45,000	54,000	35,000
Other	8,000	*	D	S	D	S	D	D	D
Non-S&E postsecondary teachers	73,000	19,000	18,000	9,000	7,000	6,000	4,000	5,000	4,000
Hispanic or Latino	4,000	3,000	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	5,000	2,000	1,000	D	D	D	D	D	D
Black or African American	4,000	S	D	D	D	D	D	D	D
White	59,000	13,000	16,000	7,000	6,000	5,000	3,000	5,000	3,000
Other	1,000	D	D	D	D	D	D	D	D
Non-S&E precollege/other teachers	378,000	108,000	70,000	47,000	52,000	26,000	33,000	26,000	16,000
Hispanic or Latino	29,000	11,000	9,000	3,000	D	D	3,000	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	S	D	D	D	D	D	D	D	D
Asian	14,000	4,000	3,000	S	4,000	D	D	D	D
Black or African American	32,000	8,000	8,000	6,000	3,000	3,000	3,000	D	D
White	293,000	81,000	48,000	35,000	43,000	23,000	25,000	22,000	15,000
Other	7,000	2,000	D	D	D	D	D	D	D
Sales/marketing occupations	296,000	42,000	45,000	56,000	29,000	39,000	35,000	21,000	30,000
Hispanic or Latino	20,000	6,000	2,000	6,000	D	D	3,000	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	26,000	6,000	3,000	6,000	3,000	3,000	3,000	D	3,000
Black or African American	14,000	4,000	4,000	S	D	D	D	D	D
White	232,000	25,000	35,000	42,000	24,000	33,000	28,000	19,000	27,000
Other	2,000	S	D	D	D	D	D	D	D
Social services/related occupations	435,000	104,000	86,000	80,000	53,000	44,000	33,000	21,000	15,000
Hispanic or Latino	30,000	10,000	7,000	3,000	5,000	D	1,000	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	3,000	S	D	D	D	D	D	D	D
Asian	14,000	5,000	S	2,000	2,000	D	D	D	D
Black or African American	56,000	17,000	13,000	9,000	7,000	6,000	2,000	S	D
White	322,000	65,000	60,000	63,000	39,000	36,000	28,000	18,000	12,000
Other	10,000	5,000	2,000	D	D	D	D	D	D
Other non-S&E occupations	481,000	109,000	69,000	60,000	59,000	58,000	50,000	39,000	37,000
Hispanic or Latino	25,000	9,000	3,000	3,000	3,000	4,000	D	3,000	D
Not Hispanic or Latino									
American Indian or Alaska Native	2,000	1,000	D	D	D	D	D	D	D

TABLE 11. Employed U.S. scientists and engineers, by level of highest degree, occupation, ethnicity, race, and years since highest degree: 2008

Highest degree, occupation, ethnicity, and race[a]	Employed scientists and engineers	Years since highest degree							
		<5 years	5–9 years	10–14 years	15–19 years	20–24 years	25–29 years	30–34 years	35+ years
Asian	38,000	8,000	7,000	5,000	3,000	3,000	4,000	3,000	5,000
Black or African American	33,000	13,000	4,000	5,000	4,000	S	S	D	D
White	375,000	75,000	53,000	45,000	48,000	49,000	43,000	32,000	30,000
Other	8,000	4,000	S	D	D	D	D	D	D
Doctoral degrees, all occupations	934,000	182,000	135,000	155,000	127,000	102,000	94,000	68,000	71,000
Hispanic or Latino	35,000	10,000	7,000	6,000	4,000	3,000	2,000	2,000	1,000
Not Hispanic or Latino									
American Indian or Alaska Native	2,000	*	1,000	*	*	*	D	D	D
Asian	171,000	43,000	28,000	37,000	25,000	15,000	9,000	7,000	6,000
Black or African American	34,000	11,000	6,000	5,000	5,000	3,000	2,000	2,000	1,000
White	682,000	115,000	92,000	105,000	91,000	80,000	80,000	57,000	63,000
Other	11,000	4,000	2,000	2,000	1,000	1,000	1,000	1,000	*
S&E occupations	592,000	124,000	90,000	97,000	79,000	62,000	54,000	41,000	45,000
Hispanic or Latino	19,000	5,000	4,000	4,000	3,000	1,000	1,000	1,000	1,000
Not Hispanic or Latino									
American Indian or Alaska Native	1,000	*	*	*	*	*	D	D	D
Asian	126,000	37,000	22,000	26,000	17,000	10,000	6,000	4,000	4,000
Black or African American	17,000	5,000	3,000	3,000	3,000	1,000	1,000	1,000	*
White	422,000	75,000	59,000	63,000	55,000	49,000	46,000	35,000	39,000
Other	7,000	2,000	1,000	1,000	1,000	1,000	1,000	*	*
Science occupations	485,000	98,000	75,000	78,000	65,000	52,000	47,000	34,000	36,000
Hispanic or Latino	16,000	4,000	3,000	3,000	2,000	1,000	*	1,000	1,000
Not Hispanic or Latino									
American Indian or Alaska Native	1,000	*	*	*	*	*	D	D	D
Asian	88,000	24,000	16,000	19,000	13,000	7,000	5,000	2,000	3,000
Black or African American	15,000	4,000	3,000	3,000	3,000	1,000	1,000	1,000	*
White	358,000	64,000	52,000	52,000	46,000	42,000	41,000	30,000	32,000
Other	6,000	2,000	1,000	1,000	1,000	*	*	*	*
Biological/agricultural/other life scientists	156,000	33,000	25,000	26,000	22,000	17,000	14,000	9,000	10,000
Hispanic or Latino	6,000	1,000	1,000	2,000	1,000	*	*	*	*
Not Hispanic or Latino									
American Indian or Alaska Native	*	D	D	D	D	D	D	D	D
Asian	34,000	8,000	7,000	7,000	5,000	4,000	2,000	1,000	1,000
Black or African American	5,000	1,000	1,000	1,000	1,000	*	*	*	D
White	109,000	23,000	16,000	16,000	14,000	12,000	11,000	8,000	9,000
Other	2,000	1,000	*	*	*	*	*	D	D
Agricultural/food scientists	11,000	2,000	1,000	2,000	2,000	1,000	1,000	1,000	1,000
Hispanic or Latino	*	*	*	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	2,000	*	*	*	D	*	D	D	D
Black or African American	S	*	*	*	D	D	D	D	D
White	8,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	*
Other	*	D	D	D	D	D	D	D	D
Biological/medical scientists	108,000	28,000	19,000	18,000	14,000	10,000	9,000	5,000	5,000
Hispanic or Latino	4,000	1,000	1,000	1,000	1,000	*	D	*	*
Not Hispanic or Latino									
American Indian or Alaska Native	*	D	D	D	D	D	D	D	D
Asian	29,000	7,000	6,000	7,000	5,000	3,000	2,000	1,000	*
Black or African American	2,000	1,000	*	*	S	*	D	*	D

TABLE 11. Employed U.S. scientists and engineers, by level of highest degree, occupation, ethnicity, race, and years since highest degree: 2008

Highest degree, occupation, ethnicity, and race[a]	Employed scientists and engineers	Years since highest degree							
		<5 years	5–9 years	10–14 years	15–19 years	20–24 years	25–29 years	30–34 years	35+ years
White	72,000	19,000	11,000	10,000	8,000	7,000	7,000	4,000	5,000
Other	1,000	1,000	*	*	*	D	D	D	D
Environmental life scientists	2,000	*	*	*	*	*	D	D	*
Hispanic or Latino	*	D	*	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	*	D	D	D	D	D	D	D	D
Black or African American	D	D	D	D	D	D	D	D	D
White	1,000	*	*	*	D	*	D	D	D
Other	D	D	D	D	D	D	D	D	D
Postsecondary teachers-life/ related sciences	35,000	3,000	5,000	6,000	5,000	5,000	4,000	3,000	4,000
Hispanic or Latino	2,000	*	*	1,000	*	*	D	*	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	3,000	*	1,000	*	1,000	S	*	*	*
Black or African American	2,000	*	*	*	*	*	D	*	D
White	28,000	2,000	4,000	4,000	4,000	4,000	3,000	3,000	3,000
Other	1,000	D	D	D	D	D	D	D	D
Computer/mathematical scientists	92,000	20,000	15,000	17,000	11,000	9,000	8,000	6,000	6,000
Hispanic or Latino	2,000	*	*	*	*	*	*	*	*
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	26,000	8,000	5,000	6,000	3,000	2,000	1,000	1,000	1,000
Black or African American	2,000	1,000	*	*	*	*	*	*	*
White	61,000	11,000	9,000	10,000	7,000	7,000	7,000	5,000	5,000
Other	1,000	*	*	*	D	*	D	D	D
Computer/information scientists	46,000	9,000	7,000	10,000	5,000	5,000	4,000	3,000	2,000
Hispanic or Latino	1,000	*	*	*	*	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	15,000	4,000	3,000	4,000	2,000	1,000	*	*	*
Black or African American	*	*	*	D	D	D	D	D	D
White	29,000	5,000	4,000	5,000	3,000	3,000	4,000	2,000	2,000
Other	*	*	*	D	D	D	D	D	D
Mathematical scientists	17,000	4,000	3,000	3,000	2,000	2,000	1,000	1,000	1,000
Hispanic or Latino	*	*	*	*	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	6,000	2,000	1,000	1,000	*	*	*	D	D
Black or African American	*	D	*	D	D	D	D	D	D
White	10,000	2,000	1,000	2,000	1,000	2,000	1,000	1,000	1,000
Other	*	D	D	D	D	D	D	D	D
Postsecondary teachers-computer/ mathematical sciences	29,000	7,000	5,000	4,000	3,000	3,000	3,000	2,000	3,000
Hispanic or Latino	1,000	*	*	*	*	*	D	D	*
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	6,000	2,000	1,000	1,000	1,000	1,000	*	*	*
Black or African American	1,000	1,000	*	*	*	D	D	D	*
White	21,000	4,000	3,000	3,000	2,000	2,000	2,000	2,000	2,000
Other	*	*	D	D	D	D	D	D	D

TABLE 11. Employed U.S. scientists and engineers, by level of highest degree, occupation, ethnicity, race, and years since highest degree: 2008

Highest degree, occupation, ethnicity, and race[a]	Employed scientists and engineers	Years since highest degree							
		<5 years	5–9 years	10–14 years	15–19 years	20–24 years	25–29 years	30–34 years	35+ years
Physical/related scientists	93,000	17,000	13,000	14,000	12,000	10,000	10,000	7,000	10,000
Hispanic or Latino	3,000	1,000	*	*	*	*	*	*	*
Not Hispanic or Latino									
American Indian or Alaska Native	*	D	D	D	D	D	D	D	D
Asian	17,000	5,000	3,000	3,000	2,000	1,000	1,000	1,000	1,000
Black or African American	2,000	1,000	*	*	*	*	*	*	D
White	70,000	10,000	9,000	11,000	9,000	9,000	8,000	6,000	8,000
Other	1,000	*	*	*	*	D	*	D	D
Chemists, except biochemists	29,000	5,000	4,000	5,000	4,000	3,000	4,000	2,000	2,000
Hispanic or Latino	1,000	*	*	*	*	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	8,000	2,000	1,000	2,000	1,000	*	1,000	*	*
Black or African American	1,000	*	*	D	*	D	D	D	D
White	19,000	3,000	2,000	3,000	3,000	2,000	3,000	2,000	2,000
Other	*	*	*	D	D	D	D	D	D
Earth/atmospheric/ocean scientists	12,000	3,000	2,000	1,000	1,000	1,000	2,000	1,000	1,000
Hispanic or Latino	*	*	*	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	2,000	1,000	*	*	*	*	*	D	D
Black or African American	*	D	D	D	D	D	D	D	D
White	9,000	2,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Other	*	D	*	D	D	D	D	D	D
Physicists/astronomers	16,000	4,000	2,000	2,000	2,000	2,000	1,000	1,000	2,000
Hispanic or Latino	*	*	D	*	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	3,000	1,000	*	*	*	*	*	D	D
Black or African American	*	D	D	D	D	D	D	D	D
White	12,000	2,000	2,000	1,000	1,000	1,000	1,000	1,000	2,000
Other	*	D	D	D	D	D	D	D	D
Postsecondary teachers-physical/ related sciences	32,000	4,000	5,000	5,000	4,000	4,000	3,000	2,000	4,000
Hispanic or Latino	1,000	*	*	*	*	*	*	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	3,000	*	1,000	1,000	1,000	*	*	*	*
Black or African American	1,000	*	*	*	*	D	D	*	D
White	26,000	3,000	4,000	4,000	3,000	4,000	3,000	2,000	3,000
Other	*	*	*	D	D	D	D	D	D
Other physical/related scientists	4,000	1,000	1,000	1,000	*	*	*	*	*
Hispanic or Latino	*	D	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	1,000	1,000	D	*	D	D	D	D	D
Black or African American	*	D	D	D	D	D	D	D	D
White	3,000	1,000	*	*	*	*	*	*	*
Other	D	D	D	D	D	D	D	D	D
Social/related scientists	144,000	28,000	22,000	20,000	20,000	16,000	15,000	12,000	10,000
Hispanic or Latino	6,000	2,000	1,000	1,000	1,000	*	*	*	D
Not Hispanic or Latino									

TABLE 11. Employed U.S. scientists and engineers, by level of highest degree, occupation, ethnicity, race, and years since highest degree: 2008

Highest degree, occupation, ethnicity, and race[a]	Employed scientists and engineers	Years since highest degree							
		<5 years	5–9 years	10–14 years	15–19 years	20–24 years	25–29 years	30–34 years	35+ years
American Indian or Alaska Native	1,000	D	*	*	*	D	D	D	D
Asian	10,000	4,000	2,000	2,000	2,000	*	*	*	*
Black or African American	7,000	2,000	1,000	1,000	1,000	*	1,000	*	*
White	119,000	20,000	17,000	16,000	16,000	14,000	14,000	11,000	10,000
Other	2,000	1,000	*	1,000	*	*	*	*	*
Economists	8,000	2,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Hispanic or Latino	*	*	*	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	2,000	1,000	*	*	*	*	D	D	D
Black or African American	*	*	D	D	D	D	D	D	D
White	6,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Other	*	D	D	D	D	D	D	D	D
Political/related scientists	1,000	*	*	*	*	D	*	D	*
Hispanic or Latino	*	D	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	*	D	D	D	D	D	D	D	D
Black or African American	*	D	D	D	D	D	D	D	D
White	1,000	D	*	D	*	D	D	D	D
Other	D	D	D	D	D	D	D	D	D
Postsecondary teachers-social/ related sciences	65,000	12,000	10,000	9,000	9,000	6,000	7,000	6,000	5,000
Hispanic or Latino	3,000	1,000	1,000	*	*	*	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	*	D	*	*	D	D	D	D	D
Asian	5,000	1,000	1,000	1,000	1,000	*	*	*	D
Black or African American	4,000	1,000	1,000	1,000	1,000	*	*	*	D
White	52,000	9,000	8,000	7,000	7,000	6,000	7,000	5,000	4,000
Other	1,000	*	*	*	D	*	D	*	D
Psychologists	56,000	10,000	8,000	7,000	8,000	8,000	7,000	5,000	4,000
Hispanic or Latino	2,000	1,000	*	*	*	*	*	*	D
Not Hispanic or Latino									
American Indian or Alaska Native	*	D	*	D	*	D	D	D	D
Asian	2,000	S	*	*	*	*	D	D	D
Black or African American	2,000	1,000	*	*	*	*	*	*	D
White	49,000	7,000	7,000	6,000	8,000	7,000	6,000	4,000	4,000
Other	1,000	*	*	*	D	D	*	D	D
Sociologists/anthropologists	4,000	1,000	1,000	1,000	1,000	*	*	*	*
Hispanic or Latino	*	D	*	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	*	*	D	D	D	D	D	D	D
Black or African American	*	*	D	D	D	D	D	D	D
White	3,000	1,000	*	1,000	*	*	*	*	*
Other	*	*	D	D	D	D	D	D	D
Other social/related scientists	9,000	2,000	2,000	2,000	1,000	1,000	1,000	1,000	*
Hispanic or Latino	*	*	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	1,000	*	*	S	*	D	D	D	D
Black or African American	*	*	*	D	D	D	D	D	D

TABLE 11. Employed U.S. scientists and engineers, by level of highest degree, occupation, ethnicity, race, and years since highest degree: 2008

Highest degree, occupation, ethnicity, and race[a]	Employed scientists and engineers	Years since highest degree							
		<5 years	5–9 years	10–14 years	15–19 years	20–24 years	25–29 years	30–34 years	35+ years
White	7,000	2,000	2,000	1,000	1,000	1,000	1,000	*	*
Other	*	D	D	D	D	D	D	D	D
Engineering occupations	107,000	25,000	15,000	19,000	14,000	10,000	7,000	7,000	9,000
Hispanic or Latino	3,000	1,000	1,000	*	*	*	*	*	D
Not Hispanic or Latino									
American Indian or Alaska Native	*	*	D	D	D	D	D	D	D
Asian	38,000	13,000	6,000	8,000	5,000	2,000	2,000	2,000	1,000
Black or African American	2,000	1,000	1,000	*	*	*	*	*	D
White	63,000	11,000	8,000	11,000	9,000	7,000	5,000	5,000	7,000
Other	1,000	*	*	*	*	*	D	D	D
Aerospace/aeronautical/astronautical engineers	7,000	1,000	1,000	1,000	1,000	1,000	*	1,000	1,000
Hispanic or Latino	*	D	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	1,000	*	D	*	*	*	D	D	D
Black or African American	*	D	D	D	D	D	D	D	D
White	5,000	1,000	1,000	1,000	1,000	1,000	*	1,000	1,000
Other	D	D	D	D	D	D	D	D	D
Chemical engineers	9,000	2,000	1,000	2,000	1,000	1,000	1,000	1,000	1,000
Hispanic or Latino	*	*	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	3,000	1,000	*	1,000	1,000	*	D	*	D
Black or African American	*	*	*	D	D	D	D	D	D
White	5,000	1,000	1,000	1,000	1,000	1,000	*	1,000	1,000
Other	D	D	D	D	D	D	D	D	D
Civil/architectural/sanitary engineers	6,000	2,000	1,000	1,000	*	*	*	*	1,000
Hispanic or Latino	*	*	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	2,000	1,000	*	*	D	D	D	D	*
Black or African American	*	D	D	D	D	D	D	D	D
White	3,000	1,000	1,000	1,000	*	*	*	D	*
Other	D	D	D	D	D	D	D	D	D
Electrical/computer hardware engineers	25,000	6,000	4,000	5,000	4,000	2,000	1,000	1,000	1,000
Hispanic or Latino	*	*	*	D	*	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	11,000	3,000	2,000	3,000	1,000	1,000	*	*	*
Black or African American	*	*	*	D	D	D	D	D	D
White	13,000	3,000	2,000	2,000	3,000	1,000	1,000	1,000	1,000
Other	*	D	D	D	D	D	D	D	D
Industrial engineers	2,000	*	S	*	*	*	*	*	D
Hispanic or Latino	*	D	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	1,000	D	D	*	D	D	D	D	D
Black or African American	*	D	D	D	D	D	D	D	D
White	1,000	D	*	D	D	*	*	D	D
Other	D	D	D	D	D	D	D	D	D
Mechanical engineers	11,000	3,000	2,000	2,000	1,000	1,000	1,000	1,000	1,000
Hispanic or Latino	*	D	D	D	D	D	D	D	D

TABLE 11. Employed U.S. scientists and engineers, by level of highest degree, occupation, ethnicity, race, and years since highest degree: 2008

Highest degree, occupation, ethnicity, and race[a]	Employed scientists and engineers	Years since highest degree							
		<5 years	5–9 years	10–14 years	15–19 years	20–24 years	25–29 years	30–34 years	35+ years
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	5,000	2,000	1,000	1,000	1,000	*	*	D	D
Black or African American	*	D	D	D	D	D	D	D	D
White	6,000	1,000	1,000	1,000	1,000	1,000	1,000	*	1,000
Other	D	D	D	D	D	D	D	D	D
Postsecondary teachers-engineering	21,000	4,000	3,000	4,000	3,000	3,000	2,000	2,000	2,000
Hispanic or Latino	1,000	*	*	*	*	*	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	6,000	2,000	1,000	1,000	1,000	*	*	1,000	*
Black or African American	1,000	D	*	*	*	D	D	*	D
White	13,000	1,000	2,000	2,000	2,000	2,000	1,000	1,000	2,000
Other	*	D	D	D	D	D	D	D	D
Other engineers	27,000	7,000	3,000	5,000	4,000	2,000	2,000	1,000	2,000
Hispanic or Latino	1,000	*	*	*	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	9,000	4,000	1,000	2,000	1,000	*	1,000	*	*
Black or African American	*	*	*	D	D	D	D	D	D
White	16,000	3,000	2,000	3,000	2,000	1,000	1,000	1,000	2,000
Other	*	*	D	D	D	D	D	D	D
S&E-related occupations	117,000	23,000	15,000	22,000	17,000	12,000	14,000	7,000	7,000
Hispanic or Latino	5,000	1,000	1,000	1,000	1,000	*	S	*	D
Not Hispanic or Latino									
American Indian or Alaska Native	*	D	D	D	D	D	D	D	D
Asian	19,000	3,000	3,000	6,000	3,000	2,000	1,000	1,000	1,000
Black or African American	5,000	2,000	1,000	1,000	*	*	*	*	*
White	86,000	16,000	10,000	15,000	13,000	10,000	12,000	6,000	6,000
Other	1,000	1,000	*	*	*	*	*	D	D
Health occupations	65,000	18,000	9,000	9,000	8,000	5,000	7,000	4,000	4,000
Hispanic or Latino	4,000	1,000	1,000	*	*	*	S	*	D
Not Hispanic or Latino									
American Indian or Alaska Native	*	D	D	D	D	D	D	D	D
Asian	10,000	2,000	2,000	2,000	1,000	1,000	1,000	*	1,000
Black or African American	3,000	2,000	1,000	*	*	*	*	*	*
White	47,000	13,000	6,000	6,000	6,000	4,000	5,000	3,000	3,000
Other	1,000	*	*	*	*	D	D	D	D
S&E managers, including health	32,000	2,000	4,000	6,000	6,000	5,000	4,000	3,000	2,000
Hispanic or Latino	1,000	*	*	*	*	*	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	6,000	*	1,000	2,000	2,000	1,000	1,000	*	*
Black or African American	1,000	*	*	*	*	*	*	D	D
White	24,000	2,000	3,000	4,000	4,000	4,000	3,000	3,000	2,000
Other	1,000	*	D	*	D	D	D	D	D
S&E precollege teachers	15,000	2,000	2,000	4,000	3,000	1,000	S	*	1,000
Hispanic or Latino	*	D	*	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	*	D	D	D	D	D	D	D	D
Black or African American	1,000	*	*	D	D	D	D	D	D

TABLE 11. Employed U.S. scientists and engineers, by level of highest degree, occupation, ethnicity, race, and years since highest degree: 2008

Highest degree, occupation, ethnicity, and race[a]	Employed scientists and engineers	Years since highest degree							
		<5 years	5–9 years	10–14 years	15–19 years	20–24 years	25–29 years	30–34 years	35+ years
White	13,000	1,000	1,000	4,000	2,000	S	S	*	1,000
Other	D	D	D	D	D	D	D	D	D
S&E technicians/technologists	4,000	1,000	*	1,000	1,000	1,000	*	*	*
Hispanic or Latino	*	D	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	2,000	1,000	*	1,000	*	D	D	D	D
Black or African American	D	D	D	D	D	D	D	D	D
White	2,000	*	D	D	*	S	*	*	D
Other	D	D	D	D	D	D	D	D	D
Other S&E-related occupations	1,000	D	D	S	D	D	D	D	D
Hispanic or Latino	D	D	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	1,000	D	D	D	D	D	D	D	D
Black or African American	D	D	D	D	D	D	D	D	D
White	*	D	D	D	D	D	D	D	D
Other	D	D	D	D	D	D	D	D	D
Non-S&E occupations	225,000	36,000	31,000	36,000	31,000	27,000	26,000	19,000	19,000
Hispanic or Latino	11,000	4,000	2,000	2,000	1,000	1,000	1,000	*	*
Not Hispanic or Latino									
American Indian or Alaska Native	*	D	*	D	D	D	D	D	D
Asian	25,000	3,000	4,000	5,000	5,000	4,000	2,000	2,000	1,000
Black or African American	12,000	4,000	2,000	2,000	1,000	1,000	1,000	1,000	*
White	174,000	24,000	23,000	27,000	24,000	21,000	22,000	16,000	17,000
Other	3,000	S	1,000	*	*	*	*	*	*
Arts/humanities/related occupations	9,000	2,000	1,000	1,000	1,000	1,000	1,000	1,000	2,000
Hispanic or Latino	*	*	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	1,000	*	D	D	*	D	D	D	D
Black or African American	*	D	D	D	D	D	D	D	D
White	8,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	2,000
Other	D	D	D	D	D	D	D	D	D
Management-related occupations	34,000	5,000	5,000	6,000	5,000	5,000	3,000	3,000	3,000
Hispanic or Latino	2,000	*	*	*	*	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	5,000	1,000	1,000	2,000	1,000	*	*	*	D
Black or African American	S	S	*	*	D	*	D	*	D
White	25,000	2,000	4,000	4,000	4,000	4,000	2,000	2,000	2,000
Other	*	*	D	*	D	D	D	D	D
Non-S&E managers	75,000	8,000	8,000	12,000	12,000	10,000	11,000	7,000	8,000
Hispanic or Latino	3,000	*	1,000	S	*	*	*	*	*
Not Hispanic or Latino									
American Indian or Alaska Native	*	D	D	D	D	D	D	D	D
Asian	8,000	*	*	1,000	2,000	1,000	1,000	1,000	1,000
Black or African American	3,000	*	*	S	*	*	1,000	*	*
White	60,000	7,000	6,000	8,000	9,000	8,000	10,000	5,000	7,000
Other	1,000	D	*	D	*	D	*	D	D
Non-S&E postsecondary teachers	50,000	11,000	10,000	9,000	5,000	4,000	6,000	3,000	2,000
Hispanic or Latino	3,000	1,000	*	1,000	*	D	*	D	D

TABLE 11. Employed U.S. scientists and engineers, by level of highest degree, occupation, ethnicity, race, and years since highest degree: 2008

Highest degree, occupation, ethnicity, and race[a]	Employed scientists and engineers	Years since highest degree							
		<5 years	5–9 years	10–14 years	15–19 years	20–24 years	25–29 years	30–34 years	35+ years
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	6,000	2,000	2,000	1,000	1,000	*	*	D	D
Black or African American	2,000	*	1,000	1,000	*	*	D	*	D
White	38,000	8,000	7,000	7,000	3,000	3,000	5,000	2,000	2,000
Other	1,000	*	D	D	D	D	D	D	D
Non-S&E precollege/other teachers	6,000	S	1,000	1,000	S	*	*	D	S
Hispanic or Latino	S	D	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	D	D	D	D	D	D	D	D	D
Black or African American	1,000	D	D	D	D	D	D	D	D
White	4,000	S	*	1,000	S	*	*	D	D
Other	*	D	D	D	D	D	D	D	D
Sales/marketing occupations	14,000	1,000	2,000	2,000	1,000	3,000	1,000	3,000	1,000
Hispanic or Latino	S	D	D	D	*	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	4,000	*	S	*	*	2,000	D	*	D
Black or African American	*	D	D	D	D	D	D	D	D
White	9,000	1,000	1,000	1,000	1,000	1,000	1,000	3,000	1,000
Other	*	D	D	D	D	D	D	D	D
Social services/related occupations	16,000	4,000	1,000	2,000	3,000	2,000	S	S	S
Hispanic or Latino	*	*	*	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	1,000	D	*	D	D	D	D	D	D
Black or African American	2,000	*	*	*	S	D	D	D	D
White	13,000	3,000	1,000	2,000	3,000	S	S	S	S
Other	S	D	D	D	D	D	D	D	D
Other non-S&E occupations	21,000	4,000	3,000	4,000	3,000	3,000	2,000	2,000	2,000
Hispanic or Latino	2,000	S	*	*	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	2,000	*	*	*	*	D	*	D	D
Black or African American	1,000	*	*	*	*	D	D	D	D
White	16,000	2,000	2,000	3,000	2,000	2,000	1,000	2,000	2,000
Other	*	D	D	D	D	D	D	D	D

* = value < 500. D = suppressed to avoid disclosure of confidential information. S = suppressed for reliability; coefficient of variation exceeds publication standards.

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/occ03maj.html for detailed description of occupational classification. Numbers are rounded to nearest thousand. Detail may not add to total because of rounding.

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

TABLE 12. 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
(Dollars)

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]	67,000	72,000	50,000	72,000	80,000	62,000
Business/industry	74,000	80,000	55,000	76,000	85,000	65,000
4-year college/university	53,000	52,000	57,000	59,000	55,000	54,000
Other educational institution	49,000	48,000	48,000	51,000	52,000	49,000
Government	66,000	70,000	60,000	70,000	70,000	60,000
S&E fields	65,000	72,000	45,000	69,000	80,000	52,000
Business/industry	70,000	80,000	40,000	72,000	85,000	55,000
4-year college/university	47,000	46,000	55,000	53,000	52,000	42,000
Other educational institution	42,000	43,000	40,000	42,000	45,000	45,000
Government	65,000	70,000	52,000	68,000	70,000	52,000
Sciences	56,000	63,000	43,000	60,000	77,000	48,000
Business/industry	60,000	72,000	40,000	60,000	80,000	48,000
4-year college/university	46,000	46,000	55,000	50,000	50,000	42,000
Other educational institution	42,000	44,000	40,000	42,000	44,000	45,000
Government	60,000	62,000	52,000	63,000	65,000	50,000
Biological/agricultural/environmental life sciences	52,000	55,000	47,000	56,000	56,000	48,000
Business/industry	54,000	64,000	45,000	57,000	60,000	48,000
4-year college/university	46,000	44,000	55,000	53,000	47,000	46,000
Other educational institution	41,000	44,000	42,000	48,000	18,000	S
Government	56,000	59,000	45,000	60,000	56,000	51,000
Agricultural/food sciences	49,000	55,000	46,000	50,000	46,000	40,000
Business/industry	45,000	54,000	47,000	48,000	49,000	39,000
4-year college/university	50,000	50,000	64,000	53,000	55,000	48,000
Other educational institution	38,000	D	34,000	48,000	D	6,000
Government	54,000	61,000	S	52,000	D	51,000
Biological sciences	52,000	55,000	48,000	60,000	60,000	50,000
Business/industry	55,000	65,000	45,000	60,000	64,000	50,000
4-year college/university	46,000	43,000	55,000	55,000	47,000	46,000
Other educational institution	42,000	42,000	42,000	47,000	D	37,000
Government	58,000	56,000	48,000	62,000	63,000	51,000
Environmental life sciences	53,000	56,000	44,000	55,000	56,000	45,000
Business/industry	54,000	65,000	D	55,000	68,000	49,000
4-year college/university	40,000	36,000	45,000	46,000	32,000	S
Other educational institution	36,000	38,000	41,000	40,000	D	D
Government	56,000	55,000	48,000	60,000	56,000	44,000
Computer/mathematical sciences	75,000	80,000	45,000	80,000	80,000	60,000
Business/industry	81,000	85,000	46,000	85,000	84,000	65,000
4-year college/university	54,000	52,000	55,000	59,000	55,000	51,000
Other educational institution	41,000	45,000	40,000	44,000	41,000	40,000
Government	69,000	71,000	58,000	71,000	71,000	52,000
Computer/information sciences	80,000	80,000	48,000	84,000	80,000	63,000
Business/industry	82,000	85,000	56,000	86,000	84,000	66,000
4-year college/university	54,000	49,000	62,000	58,000	54,000	51,000
Other educational institution	44,000	50,000	43,000	48,000	49,000	39,000
Government	70,000	72,000	52,000	74,000	76,000	48,000
Mathematical sciences	67,000	76,000	42,000	71,000	80,000	56,000
Business/industry	80,000	87,000	S	80,000	84,000	60,000
4-year college/university	54,000	54,000	53,000	59,000	62,000	48,000

TABLE 12. 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
(Dollars)

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 educational institution	40,000	40,000	40,000	40,000	26,000	40,000
Government	66,000	71,000	63,000	67,000	65,000	53,000
Physical/related sciences	70,000	77,000	54,000	80,000	80,000	58,000
Business/industry	80,000	86,000	68,000	85,000	90,000	60,000
4-year college/university	47,000	50,000	62,000	58,000	46,000	46,000
Other educational institution	48,000	52,000	48,000	54,000	S	32,000
Government	68,000	70,000	58,000	74,000	80,000	55,000
Chemistry, except biochemistry	68,000	77,000	52,000	75,000	80,000	57,000
Business/industry	77,000	86,000	S	79,000	85,000	59,000
4-year college/university	43,000	38,000	54,000	58,000	43,000	45,000
Other educational institution	46,000	54,000	46,000	61,000	45,000	S
Government	65,000	65,000	47,000	66,000	57,000	58,000
Earth/atmospheric/ocean sciences	70,000	74,000	60,000	78,000	74,000	55,000
Business/industry	76,000	79,000	68,000	80,000	75,000	59,000
4-year college/university	60,000	64,000	69,000	68,000	52,000	45,000
Other educational institution	51,000	49,000	50,000	57,000	D	D
Government	67,000	74,000	57,000	73,000	74,000	54,000
Physics/astronomy	84,000	85,000	54,000	100,000	90,000	79,000
Business/industry	99,000	98,000	54,000	100,000	95,000	89,000
4-year college/university	56,000	56,000	67,000	83,000	41,000	48,000
Other educational institution	42,000	S	41,000	50,000	56,000	D
Government	100,000	100,000	83,000	110,000	107,000	53,000
Other physical sciences	50,000	50,000	48,000	59,000	75,000	40,000
Business/industry	53,000	45,000	S	64,000	74,000	39,000
4-year college/university	44,000	49,000	56,000	44,000	S	D
Other educational institution	39,000	42,000	38,000	39,000	D	D
Government	62,000	48,000	D	82,000	38,000	S
Social/related sciences	49,000	50,000	40,000	51,000	63,000	45,000
Business/industry	50,000	53,000	36,000	50,000	72,000	43,000
4-year college/university	43,000	46,000	51,000	45,000	37,000	38,000
Other educational institution	41,000	43,000	39,000	40,000	53,000	48,000
Government	58,000	60,000	54,000	60,000	59,000	50,000
Economics	70,000	64,000	43,000	72,000	87,000	60,000
Business/industry	70,000	60,000	S	72,000	87,000	60,000
4-year college/university	52,000	69,000	69,000	44,000	53,000	32,000
Other educational institution	32,000	D	32,000	32,000	D	S
Government	70,000	74,000	D	71,000	87,000	57,000
Political/related sciences	60,000	54,000	43,000	64,000	72,000	52,000
Business/industry	60,000	58,000	39,000	65,000	81,000	51,000
4-year college/university	42,000	54,000	53,000	43,000	S	36,000
Other educational institution	39,000	40,000	41,000	46,000	D	S
Government	65,000	61,000	57,000	72,000	55,000	59,000
Psychology	45,000	48,000	40,000	47,000	56,000	45,000
Business/industry	43,000	50,000	34,000	45,000	59,000	41,000
4-year college/university	41,000	38,000	50,000	48,000	49,000	30,000
Other educational institution	45,000	46,000	40,000	44,000	40,000	51,000
Government	50,000	55,000	43,000	56,000	51,000	45,000
Sociology/anthropology	43,000	49,000	40,000	44,000	48,000	40,000
Business/industry	40,000	47,000	40,000	40,000	55,000	36,000

TABLE 12. 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
(Dollars)

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
4-year college/university	43,000	45,000	54,000	45,000	S	40,000
Other educational institution	33,000	41,000	30,000	33,000	D	S
Government	58,000	60,000	60,000	57,000	55,000	49,000
Other social sciences	45,000	47,000	40,000	46,000	59,000	40,000
Business/industry	43,000	45,000	32,000	45,000	66,000	35,000
4-year college/university	43,000	57,000	43,000	42,000	53,000	42,000
Other educational institution	41,000	40,000	42,000	42,000	56,000	32,000
Government	52,000	53,000	54,000	55,000	55,000	48,000
Engineering	88,000	87,000	60,000	92,000	90,000	80,000
Business/industry	90,000	90,000	74,000	95,000	92,000	80,000
4-year college/university	53,000	49,000	74,000	79,000	54,000	48,000
Other educational institution	43,000	42,000	42,000	64,000	83,000	41,000
Government	83,000	83,000	67,000	85,000	81,000	77,000
Aerospace/related engineering	95,000	90,000	60,000	100,000	94,000	91,000
Business/industry	98,000	90,000	D	104,000	94,000	98,000
4-year college/university	47,000	S	47,000	S	25,000	53,000
Other educational institution	35,000	D	35,000	D	D	D
Government	97,000	99,000	72,000	93,000	98,000	71,000
Chemical engineering	97,000	91,000	46,000	100,000	98,000	92,000
Business/industry	100,000	95,000	S	103,000	99,000	94,000
4-year college/university	45,000	38,000	S	S	59,000	S
Other educational institution	49,000	D	49,000	D	D	D
Government	87,000	90,000	D	93,000	80,000	81,000
Civil/architectural engineering	84,000	78,000	74,000	90,000	80,000	80,000
Business/industry	85,000	79,000	77,000	91,000	79,000	80,000
4-year college/university	66,000	57,000	74,000	80,000	78,000	39,000
Other educational institution	43,000	D	37,000	S	D	D
Government	82,000	74,000	81,000	85,000	73,000	79,000
Electrical/computer engineering	93,000	96,000	66,000	98,000	93,000	76,000
Business/industry	96,000	98,000	74,000	100,000	94,000	80,000
4-year college/university	60,000	62,000	75,000	84,000	55,000	S
Other educational institution	39,000	S	37,000	40,000	64,000	32,000
Government	84,000	88,000	D	87,000	92,000	70,000
Industrial engineering	80,000	80,000	50,000	81,000	84,000	78,000
Business/industry	82,000	80,000	77,000	83,000	87,000	78,000
4-year college/university	59,000	58,000	59,000	70,000	47,000	56,000
Other educational institution	33,000	D	33,000	32,000	D	D
Government	76,000	80,000	D	77,000	S	D
Mechanical engineering	86,000	85,000	54,000	92,000	84,000	80,000
Business/industry	87,000	85,000	52,000	93,000	88,000	80,000
4-year college/university	59,000	53,000	68,000	63,000	D	52,000
Other educational institution	46,000	35,000	D	70,000	D	D
Government	87,000	86,000	66,000	89,000	67,000	87,000
Other engineering	81,000	81,000	58,000	88,000	83,000	75,000
Business/industry	85,000	85,000	44,000	90,000	89,000	77,000
4-year college/university	42,000	40,000	72,000	91,000	50,000	48,000
Other educational institution	53,000	D	43,000	83,000	D	D
Government	80,000	78,000	60,000	83,000	65,000	75,000

TABLE 12. 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
(Dollars)

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	67,000	68,000	57,000	72,000	74,000	70,000
Business/industry	72,000	73,000	60,000	76,000	79,000	72,000
4-year college/university	64,000	62,000	64,000	69,000	56,000	69,000
Other educational institution	50,000	49,000	50,000	52,000	56,000	46,000
Government	66,000	69,000	63,000	70,000	60,000	66,000
Health	68,000	65,000	60,000	75,000	60,000	70,000
Business/industry	72,000	69,000	60,000	78,000	60,000	73,000
4-year college/university	64,000	63,000	65,000	69,000	57,000	69,000
Other educational institution	46,000	40,000	45,000	50,000	46,000	45,000
Government	66,000	68,000	64,000	69,000	61,000	66,000
Science/mathematics teacher education	50,000	54,000	52,000	52,000	47,000	40,000
Business/industry	36,000	52,000	48,000	37,000	S	34,000
4-year college/university	42,000	45,000	45,000	47,000	D	D
Other educational institution	52,000	54,000	52,000	55,000	55,000	48,000
Government	49,000	80,000	69,000	44,000	D	49,000
Technology/technical fields	78,000	83,000	59,000	76,000	84,000	70,000
Business/industry	80,000	84,000	81,000	80,000	87,000	70,000
4-year college/university	64,000	60,000	60,000	77,000	62,000	D
Other educational institution	52,000	44,000	S	55,000	D	D
Government	65,000	94,000	D	62,000	59,000	44,000
Other S&E-related fields	74,000	70,000	S	77,000	78,000	74,000
Business/industry	75,000	73,000	D	77,000	78,000	74,000
4-year college/university	81,000	68,000	68,000	84,000	D	D
Other educational institution	42,000	51,000	D	48,000	D	D
Government	74,000	57,000	D	80,000	D	86,000
Non-S&E fields	71,000	75,000	52,000	80,000	80,000	68,000
Business/industry	84,000	86,000	54,000	90,000	86,000	75,000
4-year college/university	58,000	59,000	53,000	60,000	65,000	55,000
Other educational institution	52,000	50,000	51,000	58,000	54,000	54,000
Government	73,000	70,000	59,000	78,000	70,000	67,000
Arts/humanities	60,000	74,000	50,000	60,000	83,000	52,000
Business/industry	69,000	80,000	42,000	64,000	86,000	45,000
4-year college/university	50,000	51,000	49,000	50,000	70,000	52,000
Other educational institution	52,000	56,000	52,000	51,000	31,000	S
Government	61,000	80,000	D	61,000	75,000	60,000
Education, except science/mathematics teacher education	53,000	52,000	51,000	57,000	54,000	53,000
Business/industry	50,000	53,000	49,000	54,000	70,000	45,000
4-year college/university	53,000	55,000	49,000	57,000	59,000	55,000
Other educational institution	53,000	51,000	52,000	59,000	50,000	55,000
Government	57,000	61,000	45,000	60,000	64,000	51,000
Management/administration	90,000	92,000	61,000	96,000	87,000	80,000
Business/industry	95,000	95,000	70,000	100,000	89,000	83,000
4-year college/university	75,000	83,000	67,000	75,000	80,000	58,000
Other educational institution	50,000	41,000	46,000	60,000	56,000	46,000
Government	83,000	81,000	40,000	85,000	70,000	69,000
Sales/marketing	90,000	96,000	54,000	95,000	67,000	86,000
Business/industry	95,000	97,000	48,000	95,000	75,000	89,000
4-year college/university	S	D	D	D	D	D

TABLE 12. 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
(Dollars)

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 educational institution	S	D	S	D	D	D
Government	67,000	D	D	D	D	D
Social services/related	50,000	46,000	46,000	55,000	72,000	49,000
Business/industry	47,000	39,000	42,000	50,000	63,000	46,000
4-year college/university	54,000	48,000	46,000	60,000	58,000	58,000
Other educational institution	50,000	44,000	44,000	50,000	D	53,000
Government	61,000	57,000	59,000	65,000	61,000	53,000
Other non-S&E fields	81,000	73,000	53,000	90,000	67,000	90,000
Business/industry	90,000	81,000	47,000	97,000	74,000	99,000
4-year college/university	59,000	58,000	56,000	60,000	56,000	55,000
Other educational institution	50,000	47,000	49,000	55,000	D	46,000
Government	80,000	69,000	100,000	83,000	59,000	74,000
Bachelor's degrees, all fields	60,000	65,000	43,000	62,000	78,000	52,000
Business/industry	64,000	72,000	50,000	65,000	80,000	54,000
4-year college/university	40,000	30,000	34,000	46,000	55,000	45,000
Other educational institution	40,000	41,000	40,000	40,000	45,000	35,000
Government	60,000	63,000	52,000	63,000	67,000	53,000
S&E fields	60,000	67,000	38,000	62,000	77,000	50,000
Business/industry	65,000	74,000	40,000	65,000	80,000	50,000
4-year college/university	32,000	26,000	20,000	42,000	47,000	35,000
Other educational institution	38,000	40,000	37,000	38,000	50,000	32,000
Government	60,000	62,000	50,000	64,000	65,000	50,000
Sciences	50,000	56,000	37,000	54,000	73,000	45,000
Business/industry	55,000	65,000	39,000	56,000	78,000	45,000
4-year college/university	32,000	26,000	20,000	41,000	46,000	34,000
Other educational institution	37,000	40,000	37,000	38,000	45,000	32,000
Government	55,000	57,000	50,000	60,000	60,000	48,000
Biological/agricultural/environmental life sciences	50,000	49,000	40,000	52,000	54,000	45,000
Business/industry	50,000	55,000	43,000	53,000	59,000	45,000
4-year college/university	31,000	29,000	23,000	41,000	D	38,000
Other educational institution	38,000	41,000	39,000	40,000	D	S
Government	52,000	52,000	45,000	55,000	53,000	50,000
Agricultural/food sciences	44,000	50,000	34,000	46,000	42,000	39,000
Business/industry	42,000	50,000	40,000	45,000	50,000	39,000
4-year college/university	34,000	33,000	32,000	S	D	D
Other educational institution	S	D	23,000	46,000	D	6,000
Government	51,000	60,000	24,000	51,000	D	48,000
Biological sciences	50,000	46,000	40,000	53,000	59,000	48,000
Business/industry	51,000	56,000	44,000	56,000	60,000	49,000
4-year college/university	30,000	29,000	23,000	40,000	D	37,000
Other educational institution	39,000	40,000	39,000	39,000	D	41,000
Government	51,000	49,000	47,000	54,000	47,000	50,000
Environmental life sciences	53,000	53,000	38,000	55,000	55,000	45,000
Business/industry	54,000	62,000	D	55,000	64,000	49,000
4-year college/university	29,000	23,000	18,000	47,000	D	S
Other educational institution	35,000	50,000	40,000	38,000	D	D
Government	54,000	53,000	46,000	60,000	54,000	43,000
Computer/mathematical sciences	70,000	75,000	40,000	75,000	77,000	55,000
Business/industry	75,000	80,000	47,000	78,000	80,000	60,000

TABLE 12. 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
(Dollars)

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
4-year college/university	42,000	30,000	19,000	52,000	52,000	37,000
Other educational institution	40,000	40,000	40,000	40,000	40,000	40,000
Government	62,000	69,000	51,000	70,000	70,000	50,000
Computer/information sciences	74,000	76,000	45,000	78,000	78,000	57,000
Business/industry	78,000	80,000	60,000	80,000	80,000	61,000
4-year college/university	44,000	39,000	15,000	51,000	51,000	44,000
Other educational institution	40,000	40,000	39,000	40,000	55,000	39,000
Government	65,000	69,000	48,000	70,000	72,000	48,000
Mathematical sciences	60,000	70,000	40,000	65,000	76,000	54,000
Business/industry	71,000	80,000	S	75,000	80,000	55,000
4-year college/university	30,000	25,000	19,000	50,000	58,000	20,000
Other educational institution	40,000	39,000	40,000	39,000	24,000	S
Government	59,000	67,000	63,000	59,000	63,000	52,000
Physical/related sciences	60,000	63,000	39,000	70,000	75,000	52,000
Business/industry	70,000	75,000	56,000	75,000	83,000	55,000
4-year college/university	26,000	24,000	21,000	44,000	S	45,000
Other educational institution	41,000	D	39,000	48,000	D	31,000
Government	61,000	56,000	54,000	67,000	63,000	53,000
Chemistry, except biochemistry	60,000	64,000	39,000	65,000	75,000	50,000
Business/industry	65,000	75,000	64,000	65,000	81,000	50,000
4-year college/university	25,000	24,000	22,000	43,000	38,000	43,000
Other educational institution	40,000	43,000	40,000	D	D	D
Government	64,000	50,000	D	64,000	50,000	57,000
Earth/atmospheric/ocean sciences	61,000	61,000	49,000	71,000	75,000	54,000
Business/industry	71,000	68,000	68,000	79,000	74,000	56,000
4-year college/university	S	22,000	17,000	44,000	D	D
Other educational institution	44,000	D	47,000	48,000	D	S
Government	57,000	64,000	54,000	59,000	67,000	50,000
Physics/astronomy	71,000	71,000	27,000	92,000	75,000	67,000
Business/industry	85,000	87,000	30,000	96,000	90,000	79,000
4-year college/university	23,000	24,000	20,000	31,000	24,000	26,000
Other educational institution	D	D	36,000	D	D	D
Government	72,000	68,000	D	108,000	82,000	53,000
Other physical sciences	50,000	43,000	S	59,000	72,000	39,000
Business/industry	52,000	36,000	D	64,000	74,000	S
4-year college/university	38,000	S	D	39,000	D	D
Other educational institution	S	D	S	D	D	D
Government	52,000	45,000	D	D	D	D
Social/related sciences	45,000	45,000	35,000	48,000	64,000	41,000
Business/industry	47,000	50,000	34,000	50,000	72,000	40,000
4-year college/university	31,000	20,000	17,000	39,000	35,000	32,000
Other educational institution	34,000	38,000	33,000	35,000	51,000	30,000
Government	54,000	55,000	50,000	57,000	60,000	46,000
Economics	62,000	54,000	35,000	70,000	87,000	57,000
Business/industry	67,000	57,000	47,000	70,000	88,000	60,000
4-year college/university	38,000	18,000	S	39,000	39,000	31,000
Other educational institution	31,000	D	31,000	31,000	D	D
Government	63,000	71,000	D	69,000	87,000	52,000

TABLE 12. 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
(Dollars)

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	55,000	50,000	36,000	60,000	75,000	49,000
Business/industry	60,000	58,000	37,000	60,000	81,000	49,000
4-year college/university	32,000	22,000	7,000	35,000	D	32,000
Other educational institution	30,000	36,000	34,000	37,000	D	S
Government	59,000	49,000	55,000	61,000	54,000	51,000
Psychology	40,000	42,000	32,000	41,000	59,000	36,000
Business/industry	40,000	48,000	30,000	40,000	59,000	35,000
4-year college/university	25,000	19,000	16,000	32,000	S	26,000
Other educational institution	34,000	42,000	32,000	33,000	40,000	36,000
Government	46,000	42,000	42,000	51,000	61,000	43,000
Sociology/anthropology	41,000	45,000	35,000	43,000	42,000	39,000
Business/industry	40,000	43,000	37,000	40,000	50,000	36,000
4-year college/university	35,000	17,000	16,000	44,000	S	38,000
Other educational institution	32,000	43,000	28,000	33,000	D	19,000
Government	56,000	57,000	64,000	57,000	43,000	48,000
Other social sciences	42,000	42,000	37,000	43,000	56,000	37,000
Business/industry	41,000	41,000	32,000	43,000	63,000	34,000
4-year college/university	36,000	22,000	20,000	40,000	55,000	40,000
Other educational institution	39,000	38,000	39,000	39,000	D	27,000
Government	48,000	51,000	D	48,000	54,000	44,000
Engineering	84,000	82,000	48,000	89,000	87,000	77,000
Business/industry	85,000	84,000	69,000	90,000	90,000	79,000
4-year college/university	38,000	27,000	38,000	51,000	52,000	47,000
Other educational institution	42,000	41,000	40,000	67,000	D	D
Government	80,000	78,000	D	85,000	78,000	72,000
Aerospace/related engineering	90,000	86,000	60,000	99,000	91,000	89,000
Business/industry	98,000	89,000	D	104,000	93,000	97,000
4-year college/university	23,000	24,000	19,000	D	D	D
Other educational institution	D	D	D	D	D	D
Government	76,000	83,000	D	75,000	D	71,000
Chemical engineering	90,000	85,000	44,000	98,000	94,000	85,000
Business/industry	93,000	87,000	D	100,000	99,000	86,000
4-year college/university	39,000	25,000	39,000	S	D	31,000
Other educational institution	D	D	D	D	D	D
Government	82,000	84,000	D	91,000	D	80,000
Civil/architectural engineering	82,000	74,000	74,000	87,000	75,000	80,000
Business/industry	84,000	75,000	77,000	89,000	77,000	80,000
4-year college/university	S	20,000	D	S	D	D
Other educational institution	S	D	36,000	D	D	D
Government	80,000	70,000	81,000	85,000	68,000	72,000
Electrical/computer engineering	90,000	90,000	49,000	92,000	90,000	74,000
Business/industry	90,000	91,000	69,000	94,000	90,000	75,000
4-year college/university	43,000	S	S	52,000	51,000	50,000
Other educational institution	39,000	S	37,000	D	D	D
Government	79,000	83,000	D	82,000	85,000	62,000
Industrial engineering	78,000	73,000	42,000	80,000	80,000	70,000
Business/industry	80,000	75,000	76,000	81,000	92,000	70,000
4-year college/university	S	21,000	D	D	D	D

TABLE 12. 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
(Dollars)

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 educational institution	34,000	D	34,000	33,000	D	D
Government	57,000	79,000	D	57,000	D	D
Mechanical engineering	85,000	81,000	42,000	90,000	80,000	77,000
Business/industry	85,000	83,000	48,000	90,000	81,000	79,000
4-year college/university	47,000	S	21,000	60,000	26,000	54,000
Other educational institution	44,000	D	D	71,000	D	D
Government	85,000	83,000	D	87,000	85,000	88,000
Other engineering	78,000	74,000	40,000	80,000	80,000	74,000
Business/industry	80,000	79,000	40,000	80,000	85,000	74,000
4-year college/university	30,000	28,000	D	S	D	D
Other educational institution	59,000	D	S	S	D	D
Government	73,000	62,000	51,000	82,000	56,000	74,000
S&E-related fields	58,000	60,000	50,000	62,000	71,000	57,000
Business/industry	60,000	64,000	54,000	65,000	73,000	58,000
4-year college/university	52,000	53,000	53,000	55,000	56,000	55,000
Other educational institution	41,000	40,000	41,000	45,000	44,000	38,000
Government	58,000	61,000	54,000	60,000	60,000	58,000
Health	55,000	52,000	50,000	60,000	52,000	56,000
Business/industry	57,000	54,000	53,000	60,000	55,000	57,000
4-year college/university	50,000	56,000	54,000	51,000	50,000	54,000
Other educational institution	38,000	39,000	39,000	36,000	D	35,000
Government	57,000	56,000	55,000	59,000	60,000	58,000
Science/mathematics teacher education	45,000	41,000	45,000	50,000	S	37,000
Business/industry	41,000	S	32,000	46,000	S	36,000
4-year college/university	D	D	D	D	D	D
Other educational institution	46,000	41,000	45,000	50,000	D	43,000
Government	48,000	D	D	S	D	D
Technology/technical fields	74,000	80,000	54,000	74,000	82,000	69,000
Business/industry	77,000	82,000	79,000	77,000	83,000	69,000
4-year college/university	65,000	55,000	D	D	64,000	D
Other educational institution	43,000	S	31,000	D	D	D
Government	61,000	93,000	D	57,000	59,000	42,000
Other S&E-related fields	71,000	67,000	19,000	74,000	79,000	70,000
Business/industry	72,000	69,000	D	75,000	76,000	69,000
4-year college/university	78,000	D	D	77,000	D	D
Other educational institution	S	D	D	47,000	D	D
Government	65,000	55,000	D	65,000	D	101,000
Non-S&E fields	65,000	72,000	48,000	67,000	80,000	50,000
Business/industry	70,000	80,000	59,000	73,000	85,000	50,000
4-year college/university	58,000	46,000	49,000	52,000	69,000	51,000
Other educational institution	46,000	46,000	46,000	51,000	42,000	38,000
Government	65,000	70,000	46,000	66,000	73,000	57,000
Arts/humanities	68,000	80,000	46,000	64,000	84,000	55,000
Business/industry	75,000	80,000	52,000	71,000	86,000	50,000
4-year college/university	48,000	D	D	45,000	69,000	50,000
Other educational institution	44,000	D	44,000	49,000	D	S
Government	71,000	81,000	D	60,000	74,000	59,000
Education, except science/mathematics teacher education	47,000	52,000	46,000	48,000	62,000	49,000
Business/industry	44,000	55,000	56,000	43,000	62,000	44,000

TABLE 12. 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
(Dollars)

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
4-year college/university	46,000	D	D	D	D	49,000
Other educational institution	46,000	47,000	46,000	50,000	D	39,000
Government	46,000	D	D	44,000	63,000	D
Management/administration	74,000	80,000	59,000	75,000	84,000	54,000
Business/industry	79,000	82,000	66,000	80,000	85,000	51,000
4-year college/university	65,000	62,000	D	66,000	82,000	55,000
Other educational institution	33,000	D	32,000	S	57,000	D
Government	68,000	72,000	D	69,000	70,000	54,000
Sales/marketing	71,000	84,000	54,000	78,000	59,000	43,000
Business/industry	75,000	87,000	D	78,000	73,000	41,000
4-year college/university	D	D	D	D	D	D
Other educational institution	D	D	D	D	D	D
Government	61,000	D	D	D	D	D
Social services/related	45,000	36,000	21,000	48,000	72,000	40,000
Business/industry	39,000	D	D	33,000	59,000	39,000
4-year college/university	D	D	D	D	D	D
Other educational institution	D	D	D	D	D	D
Government	46,000	D	D	S	D	39,000
Other non-S&E fields	59,000	66,000	45,000	64,000	74,000	43,000
Business/industry	60,000	76,000	31,000	62,000	77,000	43,000
4-year college/university	36,000	D	D	S	63,000	D
Other educational institution	47,000	44,000	47,000	50,000	D	D
Government	65,000	59,000	D	73,000	D	60,000
Master's degrees, all fields	70,000	75,000	52,000	80,000	85,000	60,000
Business/industry	82,000	88,000	55,000	90,000	91,000	65,000
4-year college/university	48,000	40,000	42,000	58,000	54,000	55,000
Other educational institution	54,000	52,000	52,000	59,000	54,000	54,000
Government	72,000	74,000	61,000	77,000	70,000	64,000
S&E fields	75,000	80,000	48,000	82,000	88,000	59,000
Business/industry	85,000	90,000	47,000	90,000	91,000	64,000
4-year college/university	38,000	28,000	30,000	48,000	47,000	42,000
Other educational institution	53,000	50,000	52,000	60,000	44,000	55,000
Government	75,000	78,000	53,000	79,000	77,000	60,000
Sciences	65,000	69,000	48,000	72,000	85,000	53,000
Business/industry	78,000	82,000	43,000	80,000	90,000	53,000
4-year college/university	40,000	29,000	29,000	47,000	47,000	42,000
Other educational institution	53,000	50,000	52,000	60,000	44,000	55,000
Government	68,000	70,000	51,000	73,000	68,000	55,000
Biological/agricultural/environmental life sciences	54,000	60,000	50,000	62,000	53,000	50,000
Business/industry	60,000	70,000	43,000	64,000	69,000	50,000
4-year college/university	40,000	33,000	40,000	46,000	44,000	38,000
Other educational institution	57,000	57,000	58,000	61,000	D	S
Government	62,000	60,000	41,000	66,000	68,000	57,000
Agricultural/food sciences	55,000	65,000	53,000	67,000	D	51,000
Business/industry	61,000	65,000	D	69,000	D	54,000
4-year college/university	41,000	49,000	64,000	67,000	D	D
Other educational institution	49,000	D	49,000	53,000	D	D
Government	63,000	67,000	46,000	64,000	D	D

TABLE 12. 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
(Dollars)

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
Biological sciences	54,000	59,000	50,000	62,000	49,000	50,000
Business/industry	60,000	72,000	S	65,000	69,000	50,000
4-year college/university	39,000	32,000	30,000	44,000	43,000	44,000
Other educational institution	58,000	60,000	59,000	61,000	D	S
Government	63,000	58,000	41,000	68,000	68,000	62,000
Environmental life sciences	50,000	59,000	45,000	50,000	70,000	40,000
Business/industry	52,000	76,000	D	49,000	80,000	S
4-year college/university	43,000	21,000	44,000	44,000	D	D
Other educational institution	36,000	D	58,000	D	D	D
Government	54,000	58,000	D	56,000	D	45,000
Computer/mathematical sciences	89,000	90,000	46,000	99,000	90,000	76,000
Business/industry	95,000	95,000	40,000	104,000	92,000	81,000
4-year college/university	49,000	35,000	37,000	60,000	59,000	55,000
Other educational institution	52,000	54,000	52,000	72,000	D	82,000
Government	77,000	79,000	63,000	77,000	75,000	56,000
Computer/information sciences	90,000	90,000	53,000	100,000	90,000	74,000
Business/industry	95,000	95,000	53,000	104,000	92,000	80,000
4-year college/university	59,000	48,000	48,000	82,000	59,000	58,000
Other educational institution	52,000	77,000	53,000	84,000	D	D
Government	78,000	79,000	D	77,000	78,000	D
Mathematical sciences	73,000	82,000	43,000	85,000	88,000	80,000
Business/industry	98,000	97,000	D	105,000	94,000	98,000
4-year college/university	38,000	23,000	36,000	44,000	59,000	D
Other educational institution	52,000	48,000	51,000	61,000	48,000	77,000
Government	74,000	D	D	75,000	D	80,000
Physical/related sciences	74,000	76,000	51,000	82,000	80,000	61,000
Business/industry	84,000	86,000	D	89,000	92,000	70,000
4-year college/university	25,000	25,000	25,000	S	27,000	20,000
Other educational institution	51,000	45,000	52,000	62,000	D	D
Government	75,000	73,000	62,000	84,000	72,000	57,000
Chemistry, except biochemistry	65,000	74,000	50,000	75,000	79,000	59,000
Business/industry	78,000	80,000	D	80,000	93,000	61,000
4-year college/university	24,000	25,000	22,000	D	D	7,000
Other educational institution	48,000	D	53,000	60,000	D	49,000
Government	59,000	56,000	D	68,000	D	55,000
Earth/atmospheric/ocean sciences	77,000	80,000	65,000	85,000	66,000	68,000
Business/industry	88,000	93,000	D	88,000	68,000	69,000
4-year college/university	42,000	43,000	40,000	75,000	S	23,000
Other educational institution	70,000	56,000	65,000	D	D	D
Government	81,000	80,000	D	83,000	69,000	60,000
Physics/astronomy	80,000	78,000	37,000	91,000	91,000	79,000
Business/industry	100,000	89,000	D	100,000	97,000	87,000
4-year college/university	23,000	24,000	20,000	21,000	26,000	20,000
Other educational institution	S	S	43,000	54,000	D	D
Government	112,000	77,000	D	120,000	D	D
Other physical sciences	40,000	78,000	50,000	D	D	D
Business/industry	S	D	D	D	D	D
4-year college/university	D	D	D	D	D	D

TABLE 12. 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
(Dollars)

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 educational institution	D	D	50,000	D	D	D
Government	D	D	D	D	D	D
Social/related sciences	55,000	53,000	47,000	64,000	55,000	50,000
Business/industry	56,000	58,000	42,000	64,000	60,000	46,000
4-year college/university	34,000	26,000	20,000	44,000	22,000	42,000
Other educational institution	53,000	49,000	51,000	58,000	D	55,000
Government	66,000	74,000	50,000	76,000	51,000	54,000
Economics	88,000	72,000	40,000	99,000	73,000	119,000
Business/industry	99,000	80,000	D	104,000	73,000	123,000
4-year college/university	24,000	18,000	S	14,000	D	D
Other educational institution	60,000	D	51,000	D	D	D
Government	86,000	73,000	D	86,000	D	122,000
Political/related sciences	77,000	59,000	53,000	86,000	43,000	78,000
Business/industry	77,000	53,000	70,000	80,000	40,000	78,000
4-year college/university	39,000	S	19,000	39,000	D	37,000
Other educational institution	54,000	49,000	60,000	57,000	D	D
Government	104,000	102,000	79,000	107,000	D	104,000
Psychology	50,000	48,000	46,000	56,000	40,000	49,000
Business/industry	48,000	49,000	39,000	51,000	S	45,000
4-year college/university	29,000	24,000	20,000	52,000	21,000	S
Other educational institution	54,000	49,000	49,000	58,000	D	55,000
Government	53,000	65,000	46,000	63,000	46,000	47,000
Sociology/anthropology	51,000	50,000	51,000	51,000	83,000	45,000
Business/industry	60,000	60,000	71,000	59,000	82,000	S
4-year college/university	32,000	20,000	20,000	32,000	D	S
Other educational institution	40,000	33,000	50,000	38,000	D	49,000
Government	64,000	72,000	50,000	60,000	D	65,000
Other social sciences	54,000	55,000	47,000	60,000	70,000	49,000
Business/industry	50,000	57,000	40,000	57,000	67,000	39,000
4-year college/university	46,000	56,000	17,000	56,000	S	42,000
Other educational institution	49,000	48,000	52,000	45,000	D	43,000
Government	76,000	62,000	S	78,000	67,000	89,000
Engineering	94,000	93,000	52,000	100,000	94,000	87,000
Business/industry	98,000	96,000	80,000	100,000	96,000	90,000
4-year college/university	28,000	25,000	31,000	68,000	53,000	35,000
Other educational institution	48,000	47,000	49,000	52,000	D	28,000
Government	88,000	91,000	76,000	90,000	87,000	86,000
Aerospace/related engineering	97,000	95,000	S	100,000	98,000	85,000
Business/industry	98,000	95,000	97,000	103,000	98,000	93,000
4-year college/university	24,000	22,000	22,000	16,000	23,000	52,000
Other educational institution	D	D	D	D	D	D
Government	100,000	100,000	D	100,000	100,000	90,000
Chemical engineering	107,000	107,000	50,000	112,000	99,000	97,000
Business/industry	110,000	110,000	D	112,000	103,000	98,000
4-year college/university	24,000	24,000	S	D	D	22,000
Other educational institution	D	D	D	D	D	D
Government	91,000	107,000	D	90,000	D	D
Civil/architectural engineering	86,000	84,000	S	91,000	80,000	85,000
Business/industry	90,000	89,000	D	94,000	80,000	85,000

TABLE 12. 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
(Dollars)

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
4-year college/university	24,000	21,000	17,000	65,000	D	D
Other educational institution	D	D	D	D	D	D
Government	84,000	79,000	D	85,000	82,000	87,000
Electrical/computer engineering	100,000	100,000	47,000	106,000	98,000	91,000
Business/industry	101,000	101,000	76,000	107,000	99,000	94,000
4-year college/university	27,000	24,000	S	76,000	60,000	S
Other educational institution	34,000	D	29,000	D	D	D
Government	97,000	97,000	D	98,000	102,000	96,000
Industrial engineering	86,000	84,000	S	89,000	84,000	101,000
Business/industry	89,000	89,000	D	89,000	84,000	99,000
4-year college/university	46,000	52,000	S	47,000	D	D
Other educational institution	D	D	D	D	D	D
Government	D	83,000	D	D	76,000	D
Mechanical engineering	90,000	90,000	55,000	100,000	89,000	81,000
Business/industry	94,000	92,000	D	100,000	93,000	81,000
4-year college/university	36,000	S	51,000	51,000	D	17,000
Other educational institution	54,000	D	56,000	D	D	D
Government	97,000	98,000	D	99,000	S	82,000
Other engineering	87,000	84,000	50,000	96,000	83,000	79,000
Business/industry	93,000	88,000	60,000	100,000	84,000	86,000
4-year college/university	25,000	24,000	35,000	71,000	26,000	44,000
Other educational institution	48,000	D	49,000	D	D	D
Government	82,000	93,000	D	83,000	83,000	75,000
S&E-related fields	65,000	68,000	57,000	70,000	75,000	65,000
Business/industry	70,000	76,000	60,000	75,000	80,000	65,000
4-year college/university	60,000	54,000	57,000	70,000	55,000	67,000
Other educational institution	55,000	56,000	54,000	57,000	65,000	52,000
Government	70,000	71,000	74,000	72,000	58,000	70,000
Health	65,000	67,000	59,000	71,000	63,000	65,000
Business/industry	70,000	72,000	62,000	74,000	66,000	65,000
4-year college/university	60,000	54,000	58,000	71,000	S	69,000
Other educational institution	53,000	42,000	52,000	56,000	D	53,000
Government	70,000	72,000	72,000	70,000	60,000	70,000
Science/mathematics teacher education	52,000	57,000	55,000	53,000	48,000	38,000
Business/industry	20,000	51,000	54,000	19,000	S	18,000
4-year college/university	40,000	D	42,000	S	D	D
Other educational institution	55,000	57,000	55,000	56,000	62,000	48,000
Government	57,000	80,000	72,000	D	D	64,000
Technology/technical fields	90,000	100,000	D	90,000	98,000	81,000
Business/industry	97,000	100,000	D	95,000	98,000	82,000
4-year college/university	56,000	D	D	52,000	D	D
Other educational institution	59,000	D	D	D	D	D
Government	D	D	D	D	D	D
Other S&E-related fields	77,000	70,000	50,000	79,000	D	77,000
Business/industry	79,000	75,000	D	79,000	D	74,000
4-year college/university	68,000	D	68,000	D	D	D
Other educational institution	D	D	D	D	D	D
Government	78,000	61,000	D	85,000	D	81,000

TABLE 12. 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
(Dollars)

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
Non-S&E fields	70,000	74,000	51,000	80,000	83,000	60,000
Business/industry	87,000	91,000	49,000	95,000	92,000	65,000
4-year college/university	53,000	49,000	41,000	60,000	57,000	55,000
Other educational institution	54,000	51,000	52,000	60,000	54,000	54,000
Government	70,000	70,000	59,000	74,000	70,000	61,000
Arts/humanities	53,000	61,000	51,000	51,000	75,000	48,000
Business/industry	57,000	72,000	17,000	49,000	79,000	43,000
4-year college/university	44,000	41,000	S	47,000	D	49,000
Other educational institution	57,000	57,000	56,000	52,000	D	D
Government	56,000	57,000	D	61,000	D	59,000
Education, except science/mathematics teacher education	52,000	50,000	51,000	57,000	54,000	52,000
Business/industry	50,000	29,000	41,000	50,000	83,000	48,000
4-year college/university	44,000	38,000	38,000	49,000	D	50,000
Other educational institution	53,000	51,000	52,000	60,000	52,000	54,000
Government	59,000	60,000	56,000	62,000	66,000	49,000
Management/administration	100,000	97,000	59,000	100,000	93,000	94,000
Business/industry	100,000	100,000	70,000	103,000	95,000	100,000
4-year college/university	69,000	74,000	53,000	78,000	62,000	58,000
Other educational institution	57,000	43,000	51,000	69,000	D	48,000
Government	90,000	90,000	35,000	91,000	70,000	85,000
Sales/marketing	97,000	100,000	S	99,000	69,000	94,000
Business/industry	99,000	108,000	D	99,000	78,000	94,000
4-year college/university	D	D	D	D	D	D
Other educational institution	D	D	D	D	D	D
Government	63,000	D	D	D	D	D
Social services/related	50,000	46,000	46,000	55,000	65,000	49,000
Business/industry	47,000	40,000	41,000	53,000	S	46,000
4-year college/university	50,000	45,000	S	58,000	D	58,000
Other educational institution	51,000	45,000	47,000	50,000	D	54,000
Government	62,000	58,000	60,000	65,000	D	56,000
Other non-S&E fields	66,000	65,000	56,000	68,000	57,000	62,000
Business/industry	68,000	71,000	87,000	72,000	56,000	64,000
4-year college/university	56,000	56,000	55,000	59,000	40,000	56,000
Other educational institution	52,000	48,000	55,000	49,000	D	43,000
Government	72,000	68,000	D	73,000	S	62,000
Doctoral degrees, all fields	90,000	92,000	72,000	100,000	98,000	80,000
Business/industry	102,000	110,000	70,000	112,000	104,000	85,000
4-year college/university	75,000	76,000	75,000	85,000	68,000	70,000
Other educational institution	72,000	60,000	60,000	91,000	S	72,000
Government	95,000	96,000	98,000	99,000	92,000	90,000
S&E fields	91,000	95,000	75,000	102,000	100,000	84,000
Business/industry	105,000	109,000	73,000	117,000	104,000	90,000
4-year college/university	77,000	78,000	76,000	86,000	67,000	70,000
Other educational institution	60,000	69,000	57,000	67,000	9,000	64,000
Government	97,000	99,000	87,000	100,000	100,000	85,000
Sciences	87,000	90,000	72,000	100,000	95,000	80,000
Business/industry	102,000	108,000	73,000	110,000	104,000	90,000
4-year college/university	75,000	75,000	74,000	84,000	67,000	70,000

TABLE 12. 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
(Dollars)

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 educational institution	60,000	70,000	57,000	67,000	9,000	66,000
Government	94,000	96,000	86,000	100,000	92,000	85,000
Biological/agricultural/environmental life sciences	85,000	85,000	73,000	99,000	76,000	94,000
Business/industry	104,000	104,000	85,000	116,000	93,000	107,000
4-year college/university	73,000	74,000	75,000	82,000	65,000	71,000
Other educational institution	53,000	66,000	52,000	59,000	D	52,000
Government	92,000	88,000	99,000	98,000	82,000	92,000
Agricultural/food sciences	85,000	85,000	75,000	94,000	86,000	74,000
Business/industry	94,000	94,000	D	97,000	97,000	84,000
4-year college/university	79,000	79,000	79,000	87,000	79,000	72,000
Other educational institution	49,000	D	47,000	52,000	D	D
Government	84,000	83,000	D	92,000	D	64,000
Biological sciences	86,000	86,000	74,000	100,000	76,000	100,000
Business/industry	108,000	108,000	85,000	119,000	91,000	116,000
4-year college/university	72,000	73,000	75,000	83,000	62,000	70,000
Other educational institution	53,000	66,000	52,000	60,000	D	53,000
Government	93,000	88,000	108,000	100,000	86,000	96,000
Environmental life sciences	77,000	79,000	62,000	86,000	D	72,000
Business/industry	84,000	84,000	64,000	108,000	D	62,000
4-year college/university	65,000	66,000	61,000	61,000	D	72,000
Other educational institution	54,000	D	S	D	D	D
Government	90,000	90,000	78,000	94,000	D	84,000
Computer/mathematical sciences	95,000	99,000	79,000	115,000	107,000	91,000
Business/industry	117,000	119,000	S	134,000	110,000	92,000
4-year college/university	80,000	82,000	80,000	90,000	75,000	79,000
Other educational institution	72,000	61,000	63,000	72,000	S	D
Government	112,000	110,000	D	131,000	99,000	86,000
Computer/information sciences	102,000	103,000	87,000	119,000	110,000	91,000
Business/industry	119,000	123,000	S	138,000	110,000	87,000
4-year college/university	85,000	86,000	88,000	98,000	80,000	75,000
Other educational institution	85,000	D	73,000	D	69,000	D
Government	119,000	120,000	D	122,000	100,000	D
Mathematical sciences	91,000	95,000	75,000	112,000	99,000	88,000
Business/industry	116,000	116,000	S	132,000	106,000	98,000
4-year college/university	78,000	80,000	75,000	86,000	73,000	79,000
Other educational institution	63,000	60,000	60,000	S	D	D
Government	107,000	105,000	D	138,000	96,000	79,000
Physical/related sciences	99,000	100,000	73,000	113,000	96,000	95,000
Business/industry	110,000	110,000	76,000	120,000	104,000	107,000
4-year college/university	75,000	76,000	76,000	87,000	61,000	66,000
Other educational institution	58,000	74,000	57,000	57,000	53,000	60,000
Government	102,000	107,000	81,000	108,000	105,000	82,000
Chemistry, except biochemistry	100,000	100,000	68,000	112,000	94,000	100,000
Business/industry	110,000	110,000	70,000	119,000	98,000	105,000
4-year college/university	72,000	74,000	72,000	79,000	76,000	62,000
Other educational institution	60,000	79,000	59,000	58,000	D	60,000
Government	95,000	98,000	D	101,000	D	83,000

TABLE 12. 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
(Dollars)

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
Earth/atmospheric/ocean sciences	85,000	90,000	76,000	91,000	85,000	69,000
Business/industry	99,000	100,000	S	110,000	100,000	67,000
4-year college/university	78,000	79,000	78,000	83,000	55,000	75,000
Other educational institution	56,000	58,000	56,000	D	D	D
Government	97,000	109,000	D	94,000	105,000	64,000
Physics/astronomy	100,000	100,000	80,000	123,000	99,000	99,000
Business/industry	118,000	118,000	129,000	128,000	108,000	125,000
4-year college/university	80,000	79,000	80,000	99,000	61,000	66,000
Other educational institution	52,000	39,000	51,000	64,000	D	66,000
Government	110,000	109,000	D	136,000	105,000	95,000
Other physical sciences	80,000	82,000	65,000	74,000	84,000	64,000
Business/industry	95,000	96,000	D	95,000	D	45,000
4-year college/university	70,000	74,000	65,000	64,000	D	D
Other educational institution	D	D	D	D	D	D
Government	93,000	101,000	D	74,000	D	D
Social/related sciences	79,000	81,000	70,000	88,000	88,000	75,000
Business/industry	84,000	100,000	66,000	90,000	98,000	75,000
4-year college/university	73,000	75,000	70,000	83,000	72,000	69,000
Other educational institution	67,000	68,000	60,000	74,000	S	68,000
Government	90,000	95,000	83,000	96,000	87,000	83,000
Economics	105,000	109,000	90,000	126,000	99,000	103,000
Business/industry	133,000	140,000	D	145,000	108,000	123,000
4-year college/university	95,000	96,000	91,000	113,000	91,000	81,000
Other educational institution	60,000	78,000	57,000	64,000	D	D
Government	115,000	117,000	D	117,000	98,000	101,000
Political/related sciences	77,000	76,000	70,000	89,000	85,000	78,000
Business/industry	85,000	101,000	S	87,000	97,000	75,000
4-year college/university	74,000	73,000	70,000	85,000	75,000	71,000
Other educational institution	71,000	D	70,000	82,000	D	D
Government	91,000	70,000	D	114,000	D	130,000
Psychology	75,000	80,000	69,000	80,000	80,000	74,000
Business/industry	80,000	95,000	66,000	81,000	93,000	74,000
4-year college/university	70,000	73,000	70,000	75,000	60,000	65,000
Other educational institution	68,000	67,000	59,000	75,000	S	68,000
Government	86,000	92,000	84,000	89,000	82,000	81,000
Sociology/anthropology	70,000	70,000	65,000	84,000	81,000	69,000
Business/industry	83,000	86,000	61,000	89,000	92,000	70,000
4-year college/university	68,000	67,000	65,000	80,000	71,000	63,000
Other educational institution	55,000	62,000	55,000	63,000	D	S
Government	85,000	84,000	D	95,000	D	80,000
Other social sciences	70,000	70,000	65,000	92,000	84,000	67,000
Business/industry	86,000	79,000	S	108,000	90,000	64,000
4-year college/university	69,000	69,000	65,000	90,000	66,000	76,000
Other educational institution	67,000	D	67,000	72,000	D	66,000
Government	74,000	71,000	D	90,000	D	S
Engineering	105,000	104,000	92,000	120,000	100,000	101,000
Business/industry	110,000	110,000	117,000	125,000	103,000	105,000
4-year college/university	94,000	92,000	94,000	110,000	68,000	89,000

TABLE 12. 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
(Dollars)

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 educational institution	51,000	D	51,000	65,000	D	27,000
Government	107,000	106,000	101,000	110,000	104,000	98,000
Aerospace/related engineering	105,000	101,000	77,000	123,000	103,000	124,000
Business/industry	107,000	100,000	D	125,000	104,000	189,000
4-year college/university	91,000	97,000	77,000	113,000	D	53,000
Other educational institution	D	D	D	D	D	D
Government	120,000	113,000	D	127,000	D	D
Chemical engineering	108,000	104,000	94,000	124,000	97,000	103,000
Business/industry	112,000	105,000	134,000	125,000	93,000	108,000
4-year college/university	88,000	84,000	90,000	119,000	D	99,000
Other educational institution	S	D	D	D	D	D
Government	102,000	104,000	D	117,000	D	D
Civil/architectural engineering	95,000	95,000	94,000	102,000	80,000	89,000
Business/industry	99,000	97,000	D	104,000	85,000	92,000
4-year college/university	92,000	94,000	95,000	98,000	S	D
Other educational institution	D	D	D	D	D	D
Government	92,000	83,000	D	102,000	D	75,000
Electrical/computer engineering	113,000	115,000	95,000	125,000	108,000	103,000
Business/industry	120,000	119,000	123,000	129,000	109,000	106,000
4-year college/university	97,000	97,000	97,000	109,000	74,000	98,000
Other educational institution	S	D	S	D	D	D
Government	115,000	115,000	D	127,000	110,000	D
Industrial engineering	100,000	98,000	84,000	120,000	94,000	88,000
Business/industry	108,000	106,000	D	131,000	93,000	S
4-year college/university	91,000	91,000	84,000	100,000	D	77,000
Other educational institution	D	D	D	D	D	D
Government	107,000	D	D	109,000	D	D
Mechanical engineering	101,000	100,000	88,000	119,000	99,000	111,000
Business/industry	102,000	100,000	D	120,000	100,000	114,000
4-year college/university	98,000	99,000	91,000	108,000	53,000	90,000
Other educational institution	S	D	S	D	D	D
Government	108,000	108,000	D	114,000	77,000	101,000
Other engineering	104,000	100,000	92,000	119,000	99,000	100,000
Business/industry	110,000	105,000	80,000	122,000	101,000	104,000
4-year college/university	91,000	90,000	94,000	113,000	49,000	84,000
Other educational institution	48,000	D	48,000	71,000	D	D
Government	106,000	104,000	D	108,000	104,000	79,000
S&E-related fields	80,000	80,000	70,000	95,000	98,000	80,000
Business/industry	100,000	100,000	65,000	105,000	99,000	65,000
4-year college/university	74,000	74,000	72,000	84,000	45,000	77,000
Other educational institution	63,000	44,000	53,000	95,000	D	97,000
Government	95,000	93,000	112,000	94,000	103,000	115,000
Health	80,000	80,000	75,000	95,000	103,000	70,000
Business/industry	80,000	86,000	59,000	108,000	104,000	61,000
4-year college/university	78,000	76,000	76,000	87,000	47,000	79,000
Other educational institution	53,000	52,000	52,000	78,000	D	83,000
Government	95,000	91,000	112,000	94,000	103,000	115,000
Science/mathematics teacher education	61,000	52,000	59,000	79,000	D	D
Business/industry	D	D	D	D	D	D

TABLE 12. 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
(Dollars)

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
4-year college/university	59,000	57,000	59,000	64,000	D	D
Other educational institution	64,000	D	53,000	D	D	D
Government	D	D	D	D	D	D
Technology/technical fields	100,000	100,000	D	93,000	87,000	D
Business/industry	93,000	94,000	D	D	90,000	D
4-year college/university	67,000	67,000	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	73,000	110,000	D	D
Business/industry	D	D	D	D	D	D
4-year college/university	93,000	108,000	73,000	D	D	D
Other educational institution	D	D	D	D	D	D
Government	D	D	D	D	D	D
Non-S&E fields	74,000	74,000	69,000	90,000	66,000	70,000
Business/industry	75,000	108,000	62,000	85,000	94,000	57,000
4-year college/university	70,000	70,000	69,000	84,000	D	61,000
Other educational institution	79,000	64,000	69,000	98,000	D	72,000
Government	53,000	D	D	S	37,000	D
Arts/humanities	56,000	58,000	60,000	62,000	D	34,000
Business/industry	S	S	D	77,000	D	S
4-year college/university	59,000	58,000	59,000	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	75,000	74,000	67,000	93,000	S	71,000
Business/industry	75,000	127,000	53,000	95,000	D	S
4-year college/university	69,000	69,000	63,000	79,000	D	63,000
Other educational institution	87,000	73,000	71,000	99,000	D	72,000
Government	D	D	D	D	D	D
Management/administration	123,000	127,000	124,000	111,000	D	110,000
Business/industry	112,000	110,000	D	110,000	D	D
4-year college/university	125,000	126,000	123,000	D	D	D
Other educational institution	D	D	D	D	D	D
Government	D	D	D	D	D	D
Sales/marketing	113,000	113,000	D	D	D	D
Business/industry	D	D	D	D	D	D
4-year college/university	113,000	113,000	D	D	D	D
Other educational institution	D	D	D	D	D	D
Government	D	D	D	D	D	D
Social services/related	60,000	45,000	55,000	68,000	59,000	56,000
Business/industry	62,000	D	63,000	62,000	D	47,000
4-year college/university	63,000	49,000	57,000	79,000	D	D
Other educational institution	39,000	D	39,000	D	D	D
Government	D	D	D	D	D	D
Other non-S&E fields	83,000	76,000	69,000	99,000	D	D
Business/industry	98,000	94,000	D	100,000	D	D

TABLE 12. 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

(Dollars)

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
4-year college/university	69,000	69,000	69,000	92,000	D	D
Other educational institution	D	D	D	D	D	D
Government	D	D	D	D	D	D

D = suppressed to avoid disclosure of confidential information. S = suppressed for reliability; coefficient of variation exceeds publication standards.

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. Salaries are for principal job and rounded to nearest thousand.

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

TABLE 13. Median annual salaries of employed U.S. scientists and engineers, by level and field of highest degree, sex, ethnicity, and race: 2008
(Dollars)

Level and field of highest degree	Employed scientists and engineers	Sex		Hispanic or Latino	Not Hispanic or Latino				
		Male	Female		American Indian or Alaska Native	Asian	Black or African American	White	Other[a]
All degree levels and fields[b]	67,000	80,000	52,000	60,000	57,000	75,000	60,000	67,000	59,000
S&E fields	65,000	76,000	47,000	55,000	53,000	73,000	52,000	65,000	54,000
Sciences	56,000	70,000	45,000	50,000	50,000	64,000	49,000	57,000	47,000
Biological/agricultural/environmental life sciences	52,000	60,000	45,000	48,000	50,000	52,000	47,000	52,000	48,000
Agricultural sciences	49,000	51,000	40,000	41,000	48,000	22,000	80,000	49,000	58,000
Biological sciences	52,000	65,000	45,000	47,000	S	56,000	45,000	54,000	47,000
Environmental life sciences	53,000	56,000	45,000	50,000	S	48,000	53,000	54,000	S
Computer/mathematical sciences	75,000	80,000	62,000	61,000	75,000	79,000	64,000	78,000	66,000
Computer/information sciences	80,000	82,000	68,000	60,000	75,000	80,000	67,000	80,000	69,000
Mathematics/statistics	67,000	75,000	52,000	62,000	39,000	70,000	54,000	68,000	S
Physical/related sciences	70,000	80,000	52,000	52,000	51,000	71,000	59,000	73,000	59,000
Chemistry, except biochemistry	68,000	76,000	54,000	47,000	42,000	70,000	50,000	71,000	53,000
Earth/atmospheric/ocean sciences	70,000	76,000	53,000	60,000	80,000	70,000	61,000	70,000	79,000
Physics/astronomy	84,000	88,000	54,000	71,000	D	74,000	64,000	90,000	65,000
Other physical sciences	50,000	64,000	46,000	48,000	D	51,000	D	50,000	S
Social/related sciences	49,000	60,000	42,000	46,000	33,000	50,000	45,000	50,000	45,000
Economics	70,000	75,000	50,000	64,000	D	58,000	53,000	73,000	55,000
Political/related sciences	60,000	67,000	46,000	54,000	D	52,000	50,000	60,000	47,000
Psychology	45,000	55,000	42,000	45,000	33,000	42,000	40,000	45,000	41,000
Sociology/anthropology	43,000	52,000	38,000	41,000	S	41,000	44,000	43,000	43,000
Other social sciences	45,000	54,000	40,000	43,000	29,000	43,000	44,000	45,000	38,000
Engineering	88,000	90,000	75,000	75,000	82,000	85,000	80,000	90,000	87,000
Aerospace/aeronautical/astronautical engineering	95,000	95,000	86,000	69,000	D	87,000	100,000	100,000	80,000
Chemical engineering	97,000	100,000	82,000	80,000	D	91,000	79,000	100,000	92,000
Civil/architectural engineering	84,000	86,000	68,000	71,000	60,000	76,000	80,000	86,000	97,000
Electrical/computer engineering	93,000	95,000	83,000	80,000	D	90,000	86,000	97,000	87,000
Industrial engineering	80,000	82,000	71,000	70,000	D	78,000	60,000	82,000	83,000
Mechanical engineering	86,000	88,000	70,000	75,000	67,000	80,000	75,000	89,000	72,000
Other engineering	81,000	85,000	68,000	69,000	77,000	80,000	77,000	85,000	75,000
S&E-related fields	67,000	95,000	58,000	64,000	71,000	80,000	63,000	66,000	63,000
Health	68,000	111,000	59,000	65,000	62,000	82,000	62,000	67,000	63,000
Science/mathematics teacher education	50,000	52,000	49,000	39,000	D	39,000	55,000	50,000	35,000
Technology/technical fields	78,000	80,000	70,000	59,000	D	83,000	70,000	78,000	67,000
Other S&E-related fields	74,000	80,000	57,000	68,000	D	62,000	75,000	75,000	63,000
Non-S&E fields	71,000	85,000	58,000	70,000	57,000	80,000	65,000	71,000	69,000
Arts/humanities	60,000	71,000	49,000	53,000	D	62,000	48,000	61,000	46,000
Education, except science/mathematics teacher education	53,000	60,000	50,000	50,000	51,000	53,000	53,000	52,000	61,000
Management/administration	90,000	98,000	75,000	90,000	64,000	94,000	74,000	93,000	70,000
Sales/marketing	90,000	96,000	77,000	78,000	D	92,000	76,000	90,000	D
Social services/related	50,000	56,000	48,000	62,000	45,000	45,000	55,000	50,000	48,000
Other non-S&E fields	81,000	93,000	70,000	83,000	47,000	79,000	72,000	84,000	69,000
Bachelor's degrees	60,000	72,000	47,000	52,000	52,000	62,000	52,000	60,000	51,000
S&E fields	60,000	71,000	42,000	52,000	50,000	60,000	50,000	60,000	50,000
Sciences	50,000	63,000	40,000	46,000	45,000	52,000	45,000	52,000	46,000

TABLE 13. Median annual salaries of employed U.S. scientists and engineers, by level and field of highest degree, sex, ethnicity, and race: 2008
(Dollars)

Level and field of highest degree	Employed scientists and engineers	Sex		Hispanic or Latino	Not Hispanic or Latino				
		Male	Female		American Indian or Alaska Native	Asian	Black or African American	White	Other[a]
Biological/agricultural/environmental life sciences	50,000	55,000	40,000	45,000	50,000	45,000	43,000	50,000	46,000
Agricultural sciences	44,000	50,000	37,000	41,000	45,000	20,000	75,000	45,000	D
Biological sciences	50,000	58,000	40,000	45,000	48,000	49,000	43,000	50,000	40,000
Environmental life sciences	53,000	56,000	43,000	D	S	S	S	54,000	S
Computer/mathematical sciences	70,000	75,000	56,000	60,000	76,000	65,000	58,000	73,000	65,000
Computer/information sciences	74,000	78,000	61,000	60,000	77,000	67,000	62,000	78,000	69,000
Mathematics/statistics	60,000	70,000	46,000	60,000	D	55,000	53,000	63,000	S
Physical/related sciences	60,000	70,000	50,000	49,000	45,000	53,000	58,000	65,000	45,000
Chemistry, except biochemistry	60,000	65,000	50,000	45,000	41,000	56,000	49,000	65,000	42,000
Earth/atmospheric/ocean sciences	61,000	69,000	47,000	48,000	85,000	70,000	69,000	62,000	D
Physics/astronomy	71,000	79,000	S	95,000	D	52,000	59,000	79,000	57,000
Other physical sciences	50,000	60,000	50,000	46,000	D	D	D	50,000	D
Social/related sciences	45,000	60,000	38,000	45,000	29,000	45,000	42,000	45,000	43,000
Economics	62,000	71,000	50,000	57,000	D	54,000	53,000	70,000	55,000
Political/related sciences	55,000	63,000	42,000	51,000	47,000	45,000	48,000	56,000	47,000
Psychology	40,000	49,000	36,000	43,000	30,000	40,000	37,000	40,000	40,000
Sociology/anthropology	41,000	50,000	36,000	39,000	S	40,000	43,000	41,000	43,000
Other social sciences	42,000	50,000	37,000	43,000	28,000	40,000	41,000	42,000	34,000
Engineering	84,000	85,000	71,000	71,000	85,000	76,000	79,000	87,000	85,000
Aerospace/aeronautical/astronautical engineering	90,000	90,000	D	60,000	D	88,000	D	98,000	81,000
Chemical engineering	90,000	94,000	80,000	72,000	D	69,000	73,000	97,000	92,000
Civil/architectural engineering	82,000	85,000	68,000	66,000	56,000	69,000	78,000	85,000	90,000
Electrical/computer engineering	90,000	90,000	78,000	75,000	D	82,000	84,000	92,000	86,000
Industrial engineering	78,000	80,000	64,000	69,000	D	68,000	63,000	80,000	87,000
Mechanical engineering	85,000	85,000	70,000	73,000	62,000	75,000	75,000	87,000	70,000
Other engineering	78,000	80,000	62,000	59,000	D	66,000	77,000	80,000	70,000
S&E-related fields	58,000	73,000	52,000	50,000	55,000	69,000	58,000	57,000	52,000
Health	55,000	72,000	52,000	50,000	55,000	69,000	55,000	54,000	51,000
Science/mathematics teacher education	45,000	50,000	42,000	31,000	D	D	23,000	48,000	D
Technology/technical fields	74,000	76,000	63,000	57,000	D	76,000	70,000	75,000	64,000
Other S&E-related fields	71,000	79,000	53,000	70,000	D	61,000	64,000	74,000	63,000
Non-S&E fields	65,000	73,000	53,000	63,000	43,000	60,000	57,000	65,000	59,000
Arts/humanities	68,000	78,000	49,000	59,000	D	56,000	52,000	69,000	50,000
Education, except science/mathematics teacher education	47,000	53,000	42,000	34,000	D	S	51,000	47,000	D
Management/administration	74,000	80,000	64,000	69,000	D	69,000	65,000	77,000	67,000
Sales/marketing	71,000	74,000	60,000	D	D	D	D	72,000	D
Social services/related	45,000	48,000	41,000	D	D	D	47,000	45,000	D
Other non-S&E fields	59,000	65,000	55,000	56,000	D	60,000	46,000	61,000	55,000
Master's degrees	70,000	86,000	57,000	65,000	59,000	82,000	65,000	70,000	68,000
S&E fields	75,000	87,000	58,000	63,000	62,000	83,000	65,000	73,000	63,000
Sciences	65,000	80,000	54,000	53,000	62,000	80,000	64,000	64,000	53,000
Biological/agricultural/environmental life sciences	54,000	62,000	50,000	47,000	67,000	59,000	60,000	54,000	53,000
Agricultural sciences	55,000	67,000	50,000	46,000	D	40,000	D	55,000	54,000
Biological sciences	54,000	62,000	50,000	47,000	D	60,000	54,000	54,000	56,000
Environmental life sciences	50,000	51,000	49,000	32,000	D	D	65,000	51,000	31,000

TABLE 13. Median annual salaries of employed U.S. scientists and engineers, by level and field of highest degree, sex, ethnicity, and race: 2008
(Dollars)

Level and field of highest degree	Employed scientists and engineers	Sex		Hispanic or Latino	Not Hispanic or Latino				
		Male	Female		American Indian or Alaska Native	Asian	Black or African American	White	Other[a]
Computer/mathematical sciences	89,000	94,000	75,000	63,000	55,000	89,000	77,000	91,000	63,000
Computer/information sciences	90,000	96,000	79,000	60,000	D	89,000	82,000	98,000	63,000
Mathematics/statistics	73,000	83,000	66,000	68,000	D	79,000	72,000	73,000	S
Physical/related sciences	74,000	79,000	55,000	62,000	D	69,000	45,000	76,000	76,000
Chemistry, except biochemistry	65,000	67,000	61,000	47,000	D	65,000	S	68,000	53,000
Earth/atmospheric/ocean sciences	77,000	84,000	54,000	82,000	D	65,000	52,000	77,000	94,000
Physics/astronomy	80,000	80,000	65,000	S	D	71,000	66,000	89,000	D
Other physical sciences	40,000	80,000	S	D	D	D	36,000	S	D
Social/related sciences	55,000	70,000	50,000	53,000	51,000	52,000	54,000	57,000	47,000
Economics	88,000	110,000	59,000	116,000	D	56,000	48,000	99,000	S
Political/related sciences	77,000	97,000	60,000	57,000	D	53,000	79,000	79,000	D
Psychology	50,000	55,000	49,000	52,000	D	48,000	49,000	50,000	43,000
Sociology/anthropology	51,000	63,000	45,000	54,000	D	39,000	45,000	53,000	S
Other social sciences	54,000	59,000	50,000	45,000	44,000	48,000	67,000	57,000	64,000
Engineering	94,000	98,000	79,000	88,000	62,000	90,000	82,000	98,000	90,000
Aerospace/aeronautical/astronautical engineering	97,000	96,000	98,000	69,000	D	D	69,000	100,000	76,000
Chemical engineering	107,000	110,000	88,000	109,000	D	101,000	79,000	110,000	68,000
Civil/architectural engineering	86,000	90,000	69,000	85,000	D	84,000	84,000	89,000	104,000
Electrical/computer engineering	100,000	101,000	89,000	98,000	D	95,000	88,000	106,000	87,000
Industrial engineering	86,000	85,000	95,000	72,000	D	85,000	S	96,000	D
Mechanical engineering	90,000	94,000	72,000	90,000	D	83,000	95,000	94,000	95,000
Other engineering	87,000	92,000	71,000	87,000	D	80,000	72,000	91,000	75,000
S&E-related fields	65,000	80,000	60,000	60,000	49,000	70,000	65,000	65,000	68,000
Health	65,000	89,000	61,000	60,000	51,000	70,000	63,000	66,000	70,000
Science/mathematics teacher education	52,000	54,000	51,000	53,000	D	47,000	58,000	54,000	34,000
Technology/technical fields	90,000	97,000	77,000	73,000	D	95,000	71,000	95,000	D
Other S&E-related fields	77,000	80,000	59,000	60,000	D	60,000	79,000	79,000	D
Non-S&E fields	70,000	87,000	55,000	65,000	58,000	85,000	64,000	69,000	70,000
Arts/humanities	53,000	60,000	49,000	53,000	D	61,000	D	53,000	24,000
Education, except science/mathematics teacher education	52,000	60,000	50,000	50,000	53,000	54,000	51,000	52,000	76,000
Management/administration	100,000	102,000	82,000	95,000	65,000	99,000	84,000	100,000	87,000
Sales/marketing	97,000	103,000	84,000	95,000	D	94,000	98,000	97,000	D
Social services/related	50,000	59,000	48,000	62,000	45,000	43,000	55,000	49,000	48,000
Other non-S&E fields	66,000	76,000	59,000	61,000	D	59,000	65,000	67,000	64,000
Doctoral degrees	90,000	98,000	72,000	75,000	69,000	94,000	75,000	90,000	75,000
S&E fields	91,000	100,000	74,000	80,000	77,000	95,000	75,000	92,000	80,000
Sciences	87,000	95,000	72,000	80,000	76,000	89,000	73,000	89,000	77,000
Biological/agricultural/environmental life sciences	85,000	94,000	71,000	79,000	79,000	81,000	74,000	88,000	79,000
Agricultural sciences	85,000	89,000	69,000	81,000	D	68,000	90,000	87,000	89,000
Biological sciences	86,000	95,000	71,000	78,000	81,000	84,000	69,000	89,000	75,000
Environmental life sciences	77,000	81,000	62,000	70,000	D	80,000	54,000	76,000	D
Computer/mathematical sciences	95,000	100,000	85,000	89,000	D	94,000	89,000	98,000	80,000
Computer/information sciences	102,000	103,000	99,000	93,000	D	100,000	77,000	105,000	102,000
Mathematics/statistics	91,000	96,000	79,000	86,000	D	90,000	90,000	92,000	S
Physical/related sciences	99,000	100,000	82,000	86,000	88,000	95,000	79,000	100,000	89,000
Chemistry, except biochemistry	100,000	101,000	89,000	86,000	92,000	100,000	80,000	100,000	83,000

TABLE 13. Median annual salaries of employed U.S. scientists and engineers, by level and field of highest degree, sex, ethnicity, and race: 2008
(Dollars)

Level and field of highest degree	Employed scientists and engineers	Sex		Hispanic or Latino	Not Hispanic or Latino				
		Male	Female		American Indian or Alaska Native	Asian	Black or African American	White	Other[a]
Earth/atmospheric/ocean sciences	85,000	89,000	70,000	70,000	D	78,000	64,000	86,000	77,000
Physics/astronomy	100,000	100,000	80,000	98,000	D	95,000	79,000	100,000	95,000
Other physical sciences	80,000	82,000	74,000	D	D	76,000	D	79,000	D
Social/related sciences	79,000	88,000	70,000	72,000	69,000	78,000	70,000	80,000	70,000
Economics	105,000	109,000	94,000	117,000	D	90,000	71,000	110,000	98,000
Political/related sciences	77,000	79,000	74,000	73,000	D	72,000	71,000	79,000	67,000
Psychology	75,000	86,000	70,000	68,000	76,000	75,000	71,000	77,000	72,000
Sociology/anthropology	70,000	76,000	65,000	67,000	D	70,000	72,000	70,000	65,000
Other social sciences	70,000	77,000	67,000	67,000	68,000	70,000	66,000	73,000	64,000
Engineering	105,000	110,000	86,000	97,000	115,000	100,000	95,000	110,000	104,000
Aerospace/aeronautical/astronautical engineering	105,000	107,000	93,000	120,000	D	94,000	D	106,000	D
Chemical engineering	108,000	112,000	89,000	90,000	D	104,000	101,000	116,000	116,000
Civil/architectural engineering	95,000	99,000	69,000	88,000	D	91,000	80,000	98,000	D
Electrical/computer engineering	113,000	115,000	99,000	95,000	D	109,000	103,000	120,000	104,000
Industrial engineering	100,000	99,000	100,000	96,000	D	97,000	78,000	100,000	D
Mechanical engineering	101,000	102,000	72,000	99,000	D	96,000	98,000	110,000	D
Other engineering	104,000	110,000	80,000	98,000	D	100,000	96,000	110,000	106,000
S&E-related fields	80,000	100,000	72,000	60,000	67,000	89,000	69,000	81,000	65,000
Health	80,000	98,000	72,000	59,000	67,000	89,000	72,000	80,000	66,000
Science/mathematics teacher education	61,000	49,000	66,000	D	D	D	59,000	60,000	D
Technology/technical fields	100,000	100,000	D	D	D	81,000	D	115,000	D
Other S&E-related fields	D	D	74,000	D	D	D	D	D	D
Non-S&E fields	74,000	80,000	71,000	62,000	D	88,000	75,000	74,000	62,000
Arts/humanities	56,000	59,000	45,000	D	D	D	D	58,000	D
Education, except science/mathematics teacher education	75,000	82,000	74,000	64,000	D	63,000	79,000	75,000	54,000
Management/administration	123,000	126,000	S	D	D	133,000	D	123,000	D
Sales/marketing	113,000	D	D	D	D	D	D	D	D
Social services/related	60,000	61,000	57,000	D	D	42,000	66,000	56,000	D
Other non-S&E fields	83,000	101,000	79,000	70,000	D	59,000	D	90,000	D

D = suppressed to avoid disclosure of confidential information. S = suppressed for reliability; coefficient of variation exceeds publication standards.

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. Salaries are for principal job and rounded to nearest thousand.

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

TABLE 14. Median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, citizenship status, and employment sector: 2008

(Dollars)

Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment: Business/ industry	4-year college/ university	Other educational institution	Government
All degree levels and occupations[a]	67,000	74,000	53,000	49,000	66,000
U.S. citizen	66,000	73,000	54,000	49,000	66,000
Native-born	65,000	72,000	52,000	49,000	66,000
Naturalized	75,000	80,000	70,000	47,000	70,000
Non-U.S. citizen	75,000	83,000	46,000	40,000	62,000
Permanent resident	80,000	85,000	58,000	38,000	61,000
Temporary resident	69,000	79,000	26,000	53,000	69,000
S&E occupations	80,000	85,000	50,000	50,000	75,000
U.S. citizen	80,000	85,000	51,000	50,000	75,000
Native-born	78,000	83,000	49,000	50,000	73,000
Naturalized	88,000	91,000	70,000	64,000	80,000
Non-U.S. citizen	80,000	85,000	45,000	48,000	69,000
Permanent resident	85,000	92,000	58,000	48,000	69,000
Temporary resident	69,000	77,000	26,000	48,000	62,000
Science occupations	75,000	83,000	50,000	50,000	70,000
U.S. citizen	75,000	82,000	50,000	50,000	70,000
Native-born	72,000	80,000	48,000	49,000	70,000
Naturalized	85,000	90,000	65,000	63,000	75,000
Non-U.S. citizen	80,000	88,000	46,000	48,000	70,000
Permanent resident	85,000	92,000	56,000	47,000	71,000
Temporary resident	67,000	80,000	26,000	48,000	61,000
Biological/agricultural/other life scientists	56,000	70,000	43,000	44,000	60,000
U.S. citizen	58,000	70,000	43,000	44,000	60,000
Native-born	55,000	65,000	41,000	44,000	60,000
Naturalized	74,000	81,000	59,000	59,000	70,000
Non-U.S. citizen	50,000	76,000	45,000	17,000	63,000
Permanent resident	56,000	80,000	47,000	17,000	64,000
Temporary resident	43,000	61,000	38,000	D	47,000
Agricultural/food scientists	50,000	54,000	42,000	D	54,000
U.S. citizen	50,000	52,000	43,000	D	54,000
Native-born	48,000	49,000	42,000	D	54,000
Naturalized	80,000	78,000	75,000	D	65,000
Non-U.S. citizen	48,000	67,000	S	D	D
Permanent resident	51,000	71,000	S	D	D
Temporary resident	40,000	59,000	25,000	D	D
Biological/medical scientists	60,000	75,000	40,000	D	65,000
U.S. citizen	60,000	73,000	40,000	D	65,000
Native-born	56,000	70,000	37,000	D	64,000
Naturalized	75,000	80,000	58,000	D	74,000
Non-U.S. citizen	50,000	79,000	45,000	D	63,000
Permanent resident	56,000	82,000	46,000	D	65,000
Temporary resident	43,000	62,000	39,000	D	47,000
Environmental life scientists	55,000	50,000	S	D	57,000
U.S. citizen	56,000	54,000	56,000	D	57,000
Native-born	57,000	53,000	56,000	D	57,000
Naturalized	D	D	D	D	D
Non-U.S. citizen	D	D	D	D	D
Permanent resident	D	D	D	D	D
Temporary resident	D	D	D	D	D

TABLE 14. Median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, citizenship status, and employment sector: 2008
(Dollars)

Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment			
		Business/ industry	4-year college/ university	Other educational institution	Government
Postsecondary teachers-life/related sciences	55,000	D	58,000	44,000	53,000
U.S. citizen	53,000	58,000	57,000	44,000	53,000
Native-born	52,000	53,000	55,000	43,000	53,000
Naturalized	60,000	D	60,000	53,000	D
Non-U.S. citizen	65,000	D	65,000	17,000	D
Permanent resident	65,000	D	65,000	17,000	D
Temporary resident	55,000	D	55,000	D	D
Computer/mathematical scientists	82,000	86,000	56,000	45,000	74,000
U.S. citizen	81,000	86,000	56,000	45,000	74,000
Native-born	80,000	84,000	55,000	44,000	74,000
Naturalized	90,000	93,000	76,000	64,000	76,000
Non-U.S. citizen	87,000	90,000	54,000	48,000	72,000
Permanent resident	92,000	96,000	70,000	37,000	72,000
Temporary resident	75,000	82,000	29,000	D	72,000
Computer/information scientists	83,000	86,000	56,000	45,000	74,000
U.S. citizen	82,000	86,000	57,000	45,000	74,000
Native-born	80,000	84,000	55,000	45,000	74,000
Naturalized	91,000	93,000	77,000	69,000	76,000
Non-U.S. citizen	89,000	90,000	50,000	D	73,000
Permanent resident	94,000	96,000	69,000	D	72,000
Temporary resident	80,000	82,000	43,000	D	74,000
Mathematical scientists	81,000	86,000	40,000	93,000	79,000
U.S. citizen	81,000	86,000	43,000	94,000	79,000
Native-born	80,000	85,000	38,000	D	78,000
Naturalized	90,000	91,000	80,000	D	84,000
Non-U.S. citizen	81,000	87,000	35,000	D	60,000
Permanent resident	89,000	90,000	91,000	D	D
Temporary resident	70,000	79,000	27,000	D	D
Postsecondary teachers-computer/mathematical sciences	50,000	S	55,000	40,000	28,000
U.S. citizen	48,000	S	55,000	40,000	28,000
Native-born	45,000	S	50,000	39,000	28,000
Naturalized	64,000	D	69,000	48,000	D
Non-U.S. citizen	55,000	D	55,000	58,000	D
Permanent resident	70,000	D	71,000	48,000	D
Temporary resident	23,000	D	23,000	D	D
Physical/related scientists	68,000	75,000	49,000	47,000	69,000
U.S. citizen	69,000	75,000	50,000	47,000	69,000
Native-born	67,000	75,000	45,000	48,000	69,000
Naturalized	75,000	79,000	71,000	S	70,000
Non-U.S. citizen	61,000	80,000	45,000	48,000	56,000
Permanent resident	75,000	80,000	65,000	D	52,000
Temporary resident	38,000	80,000	24,000	D	58,000
Chemists, except biochemists	70,000	73,000	28,000	D	63,000
U.S. citizen	70,000	73,000	27,000	D	63,000
Native-born	67,000	70,000	25,000	D	62,000
Naturalized	73,000	76,000	41,000	D	65,000
Non-U.S. citizen	62,000	75,000	30,000	D	47,000
Permanent resident	73,000	75,000	37,000	D	D
Temporary resident	39,000	78,000	28,000	D	D

TABLE 14. Median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, citizenship status, and employment sector: 2008
(Dollars)

Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment			
		Business/ industry	4-year college/ university	Other educational institution	Government
Earth/atmospheric/ocean scientists	70,000	80,000	50,000	D	70,000
U.S. citizen	71,000	80,000	50,000	D	70,000
Native-born	70,000	79,000	50,000	D	70,000
Naturalized	80,000	88,000	49,000	D	71,000
Non-U.S. citizen	66,000	78,000	49,000	D	51,000
Permanent resident	68,000	80,000	52,000	D	D
Temporary resident	63,000	72,000	S	D	D
Physicists/astronomers	81,000	103,000	38,000	D	100,000
U.S. citizen	90,000	102,000	41,000	D	102,000
Native-born	90,000	105,000	36,000	D	101,000
Naturalized	89,000	83,000	76,000	D	110,000
Non-U.S. citizen	50,000	102,000	S	D	69,000
Permanent resident	94,000	105,000	62,000	D	D
Temporary resident	24,000	D	24,000	D	D
Postsecondary teachers-physical/related sciences	54,000	D	57,000	47,000	D
U.S. citizen	54,000	D	56,000	47,000	D
Native-born	51,000	D	52,000	48,000	D
Naturalized	78,000	D	82,000	9,000	D
Non-U.S. citizen	58,000	D	58,000	48,000	D
Permanent resident	68,000	D	69,000	D	D
Temporary resident	18,000	D	18,000	D	D
Other physical/related scientists	65,000	69,000	50,000	D	63,000
U.S. citizen	65,000	69,000	49,000	D	63,000
Native-born	65,000	69,000	49,000	D	63,000
Naturalized	59,000	D	D	D	61,000
Non-U.S. citizen	78,000	81,000	57,000	D	D
Permanent resident	D	D	D	D	D
Temporary resident	76,000	79,000	D	D	D
Social/related scientists	60,000	69,000	50,000	54,000	72,000
U.S. citizen	60,000	67,000	50,000	54,000	72,000
Native-born	60,000	66,000	50,000	54,000	72,000
Naturalized	68,000	73,000	59,000	63,000	78,000
Non-U.S. citizen	52,000	75,000	24,000	48,000	90,000
Permanent resident	71,000	75,000	64,000	67,000	90,000
Temporary resident	22,000	74,000	18,000	D	D
Economists	91,000	110,000	S	D	98,000
U.S. citizen	91,000	107,000	S	D	98,000
Native-born	94,000	109,000	S	D	96,000
Naturalized	88,000	89,000	S	D	109,000
Non-U.S. citizen	89,000	118,000	S	D	D
Permanent resident	115,000	115,000	119,000	D	D
Temporary resident	64,000	120,000	13,000	D	D
Political/related scientists	70,000	70,000	23,000	D	97,000
U.S. citizen	70,000	70,000	S	D	97,000
Native-born	65,000	67,000	S	D	97,000
Naturalized	61,000	D	D	D	D
Non-U.S. citizen	S	D	17,000	D	D
Permanent resident	D	D	D	D	D
Temporary resident	D	D	16,000	D	D

TABLE 14. Median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, citizenship status, and employment sector: 2008
(Dollars)

Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment: Business/ industry	4-year college/ university	Other educational institution	Government
Postsecondary teachers-social/related sciences	54,000	37,000	57,000	37,000	86,000
U.S. citizen	55,000	38,000	58,000	37,000	86,000
Native-born	53,000	D	55,000	37,000	89,000
Naturalized	69,000	D	69,000	61,000	D
Non-U.S. citizen	49,000	D	49,000	S	D
Permanent resident	69,000	D	70,000	D	D
Temporary resident	18,000	D	17,000	D	D
Psychologists	58,000	59,000	33,000	57,000	79,000
U.S. citizen	58,000	59,000	35,000	57,000	80,000
Native-born	58,000	59,000	37,000	56,000	79,000
Naturalized	54,000	55,000	28,000	64,000	77,000
Non-U.S. citizen	45,000	49,000	S	D	D
Permanent resident	47,000	45,000	D	D	D
Temporary resident	S	D	D	D	D
Sociologists/anthropologists	40,000	56,000	18,000	S	49,000
U.S. citizen	40,000	S	18,000	S	49,000
Native-born	40,000	53,000	18,000	S	49,000
Naturalized	S	D	72,000	D	D
Non-U.S. citizen	S	D	35,000	D	D
Permanent resident	S	D	S	D	D
Temporary resident	D	D	36,000	D	D
Other social/related scientists	73,000	83,000	40,000	45,000	67,000
U.S. citizen	73,000	83,000	42,000	45,000	67,000
Native-born	73,000	82,000	42,000	52,000	67,000
Naturalized	86,000	91,000	61,000	D	D
Non-U.S. citizen	64,000	74,000	22,000	D	D
Permanent resident	73,000	83,000	58,000	D	D
Temporary resident	23,000	60,000	18,000	D	D
Engineering occupations	85,000	87,000	59,000	61,000	85,000
U.S. citizen	86,000	88,000	67,000	61,000	85,000
Native-born	85,000	86,000	59,000	58,000	85,000
Naturalized	90,000	93,000	94,000	D	85,000
Non-U.S. citizen	80,000	80,000	41,000	D	62,000
Permanent resident	86,000	90,000	72,000	D	61,000
Temporary resident	70,000	73,000	24,000	D	65,000
Aerospace/aeronautical/astronautical engineers	99,000	97,000	28,000	D	106,000
U.S. citizen	100,000	97,000	30,000	D	106,000
Native-born	100,000	98,000	29,000	D	109,000
Naturalized	90,000	90,000	112,000	D	S
Non-U.S. citizen	80,000	99,000	25,000	D	D
Permanent resident	99,000	100,000	60,000	D	D
Temporary resident	S	75,000	22,000	D	D
Chemical engineers	94,000	95,000	23,000	D	102,000
U.S. citizen	94,000	95,000	22,000	D	103,000
Native-born	92,000	93,000	21,000	D	103,000
Naturalized	109,000	109,000	S	D	S
Non-U.S. citizen	90,000	100,000	25,000	D	D
Permanent resident	103,000	103,000	S	D	D
Temporary resident	68,000	74,000	23,000	D	D

TABLE 14. Median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, citizenship status, and employment sector: 2008
(Dollars)

Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment			
		Business/ industry	4-year college/ university	Other educational institution	Government
Civil/architectural/sanitary engineers	80,000	80,000	S	D	80,000
U.S. citizen	80,000	80,000	S	D	80,000
Native-born	80,000	80,000	22,000	D	80,000
Naturalized	80,000	82,000	118,000	D	80,000
Non-U.S. citizen	69,000	71,000	44,000	D	63,000
Permanent resident	76,000	79,000	D	D	D
Temporary resident	68,000	69,000	38,000	D	D
Electrical/computer hardware engineers	93,000	94,000	48,000	77,000	89,000
U.S. citizen	95,000	95,000	71,000	77,000	89,000
Native-born	92,000	93,000	68,000	D	86,000
Naturalized	100,000	100,000	80,000	D	97,000
Non-U.S. citizen	85,000	85,000	31,000	D	D
Permanent resident	90,000	91,000	42,000	D	D
Temporary resident	75,000	79,000	24,000	D	D
Industrial engineers	76,000	77,000	S	D	70,000
U.S. citizen	79,000	79,000	S	D	70,000
Native-born	80,000	81,000	S	D	70,000
Naturalized	70,000	70,000	D	D	D
Non-U.S. citizen	69,000	70,000	20,000	D	D
Permanent resident	82,000	82,000	D	D	D
Temporary resident	69,000	69,000	20,000	D	D
Mechanical engineers	85,000	85,000	40,000	D	90,000
U.S. citizen	85,000	85,000	60,000	D	90,000
Native-born	84,000	84,000	60,000	D	90,000
Naturalized	89,000	89,000	S	D	95,000
Non-U.S. citizen	80,000	80,000	22,000	D	D
Permanent resident	92,000	92,000	D	D	D
Temporary resident	69,000	73,000	21,000	D	D
Postsecondary teachers-engineering	78,000	D	80,000	55,000	76,000
U.S. citizen	80,000	D	82,000	55,000	76,000
Native-born	74,000	D	76,000	54,000	D
Naturalized	97,000	D	99,000	D	D
Non-U.S. citizen	75,000	D	75,000	D	D
Permanent resident	80,000	D	80,000	D	D
Temporary resident	S	D	S	D	D
Other engineers	83,000	85,000	30,000	D	80,000
U.S. citizen	85,000	85,000	29,000	D	80,000
Native-born	84,000	85,000	28,000	D	79,000
Naturalized	89,000	95,000	S	D	80,000
Non-U.S. citizen	70,000	78,000	39,000	D	59,000
Permanent resident	79,000	80,000	43,000	D	58,000
Temporary resident	65,000	70,000	27,000	D	D
S&E-related occupations	67,000	75,000	62,000	50,000	68,000
U.S. citizen	67,000	74,000	62,000	50,000	67,000
Native-born	65,000	72,000	60,000	50,000	67,000
Naturalized	80,000	85,000	79,000	52,000	69,000
Non-U.S. citizen	75,000	79,000	62,000	49,000	97,000
Permanent resident	75,000	79,000	81,000	48,000	96,000
Temporary resident	74,000	78,000	43,000	51,000	D

TABLE 14. Median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, citizenship status, and employment sector: 2008

(Dollars)

Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment: Business/ industry	4-year college/ university	Other educational institution	Government
Health occupations	65,000	70,000	62,000	48,000	63,000
U.S. citizen	65,000	70,000	60,000	48,000	62,000
Native-born	64,000	66,000	59,000	48,000	61,000
Naturalized	80,000	81,000	82,000	51,000	67,000
Non-U.S. citizen	69,000	65,000	74,000	S	100,000
Permanent resident	69,000	64,000	84,000	S	99,000
Temporary resident	S	76,000	46,000	D	D
S&E managers, including health	110,000	115,000	97,000	67,000	100,000
U.S. citizen	110,000	115,000	98,000	67,000	100,000
Native-born	110,000	114,000	97,000	71,000	100,000
Naturalized	115,000	119,000	107,000	D	104,000
Non-U.S. citizen	117,000	125,000	82,000	D	D
Permanent resident	126,000	129,000	82,000	D	D
Temporary resident	95,000	95,000	D	D	D
S&E precollege teachers	51,000	D	S	51,000	69,000
U.S. citizen	51,000	D	S	51,000	69,000
Native-born	51,000	D	S	50,000	69,000
Naturalized	52,000	D	D	52,000	D
Non-U.S. citizen	54,000	D	D	54,000	D
Permanent resident	51,000	D	D	51,000	D
Temporary resident	51,000	D	D	51,000	D
S&E technicians/technologists	63,000	69,000	36,000	S	55,000
U.S. citizen	63,000	68,000	36,000	S	55,000
Native-born	62,000	67,000	35,000	S	55,000
Naturalized	69,000	74,000	43,000	D	60,000
Non-U.S. citizen	70,000	77,000	37,000	D	D
Permanent resident	69,000	70,000	39,000	D	D
Temporary resident	77,000	78,000	31,000	D	D
Other S&E-related occupations	79,000	80,000	75,000	D	67,000
U.S. citizen	79,000	80,000	D	D	67,000
Native-born	79,000	79,000	D	D	67,000
Naturalized	82,000	83,000	D	D	64,000
Non-U.S. citizen	74,000	73,000	D	D	D
Permanent resident	74,000	73,000	D	D	D
Temporary resident	S	S	D	D	D
Non-S&E occupations	57,000	60,000	50,000	46,000	61,000
U.S. citizen	57,000	60,000	50,000	46,000	61,000
Native-born	57,000	60,000	49,000	47,000	62,000
Naturalized	57,000	60,000	60,000	43,000	56,000
Non-U.S. citizen	60,000	72,000	42,000	S	47,000
Permanent resident	60,000	72,000	43,000	S	47,000
Temporary resident	65,000	74,000	22,000	47,000	D
Arts/humanities/related occupations	46,000	47,000	44,000	S	57,000
U.S. citizen	46,000	47,000	44,000	S	57,000
Native-born	45,000	45,000	44,000	S	57,000
Naturalized	50,000	52,000	D	D	50,000
Non-U.S. citizen	44,000	44,000	D	D	D
Permanent resident	S	S	D	D	D
Temporary resident	44,000	44,000	D	D	D

TABLE 14. Median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, citizenship status, and employment sector: 2008
(Dollars)

Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment			
		Business/ industry	4-year college/ university	Other educational institution	Government
Management-related occupations	73,000	75,000	54,000	53,000	72,000
U.S. citizen	72,000	75,000	55,000	53,000	72,000
Native-born	73,000	75,000	50,000	53,000	73,000
Naturalized	69,000	74,000	63,000	D	62,000
Non-U.S. citizen	84,000	85,000	41,000	D	S
Permanent resident	84,000	84,000	41,000	D	S
Temporary resident	80,000	80,000	D	D	D
Non-S&E managers	110,000	120,000	100,000	80,000	97,000
U.S. citizen	110,000	120,000	100,000	80,000	98,000
Native-born	110,000	120,000	99,000	80,000	100,000
Naturalized	120,000	125,000	107,000	90,000	89,000
Non-U.S. citizen	125,000	132,000	105,000	D	D
Permanent resident	125,000	129,000	113,000	D	D
Temporary resident	144,000	D	D	D	D
Non-S&E postsecondary teachers	49,000	54,000	50,000	34,000	69,000
U.S. citizen	49,000	55,000	50,000	33,000	69,000
Native-born	48,000	56,000	50,000	34,000	69,000
Naturalized	55,000	D	69,000	S	D
Non-U.S. citizen	47,000	D	50,000	D	D
Permanent resident	54,000	D	59,000	D	D
Temporary resident	25,000	D	25,000	D	D
Non-S&E precollege/other teachers	43,000	25,000	24,000	44,000	37,000
U.S. citizen	43,000	25,000	24,000	44,000	44,000
Native-born	43,000	25,000	24,000	44,000	S
Naturalized	42,000	S	D	42,000	D
Non-U.S. citizen	S	D	D	S	D
Permanent resident	S	D	D	S	D
Temporary resident	41,000	D	D	D	D
Sales/marketing occupations	62,000	63,000	D	42,000	69,000
U.S. citizen	61,000	62,000	D	42,000	69,000
Native-born	62,000	63,000	D	42,000	69,000
Naturalized	52,000	52,000	D	D	D
Non-U.S. citizen	88,000	88,000	D	D	D
Permanent resident	90,000	90,000	D	D	D
Temporary resident	S	S	D	D	D
Social services/related occupations	43,000	40,000	42,000	51,000	45,000
U.S. citizen	43,000	40,000	43,000	51,000	45,000
Native-born	42,000	40,000	43,000	51,000	44,000
Naturalized	45,000	40,000	37,000	53,000	56,000
Non-U.S. citizen	40,000	39,000	D	D	54,000
Permanent resident	49,000	39,000	D	D	54,000
Temporary resident	D	D	D	D	D
Other non-S&E occupations	46,000	43,000	35,000	30,000	57,000
U.S. citizen	46,000	43,000	35,000	30,000	57,000
Native-born	47,000	44,000	35,000	31,000	58,000
Naturalized	43,000	42,000	37,000	20,000	52,000
Non-U.S. citizen	37,000	33,000	41,000	S	44,000
Permanent resident	36,000	31,000	41,000	S	44,000
Temporary resident	38,000	D	10,000	D	D

TABLE 14. Median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, citizenship status, and employment sector: 2008
(Dollars)

Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment: Business/ industry	4-year college/ university	Other educational institution	Government
Bachelor's degrees, all occupations	60,000	64,000	40,000	40,000	60,000
U.S. citizen	60,000	63,000	40,000	40,000	60,000
Native-born	60,000	63,000	40,000	40,000	60,000
Naturalized	62,000	67,000	49,000	40,000	60,000
Non-U.S. citizen	60,000	72,000	25,000	37,000	47,000
Permanent resident	65,000	75,000	37,000	36,000	47,000
Temporary resident	54,000	66,000	20,000	D	D
S&E occupations	75,000	80,000	28,000	44,000	70,000
U.S. citizen	75,000	80,000	30,000	44,000	70,000
Native-born	75,000	80,000	29,000	44,000	70,000
Naturalized	80,000	80,000	31,000	64,000	74,000
Non-U.S. citizen	80,000	85,000	23,000	D	70,000
Permanent resident	85,000	89,000	25,000	D	69,000
Temporary resident	59,000	69,000	21,000	D	D
Science occupations	72,000	80,000	29,000	44,000	65,000
U.S. citizen	72,000	80,000	30,000	44,000	65,000
Native-born	70,000	78,000	30,000	41,000	65,000
Naturalized	78,000	81,000	37,000	61,000	66,000
Non-U.S. citizen	82,000	86,000	23,000	D	71,000
Permanent resident	85,000	90,000	25,000	D	70,000
Temporary resident	55,000	72,000	22,000	D	D
Biological/agricultural/other life scientists	44,000	52,000	25,000	S	52,000
U.S. citizen	45,000	53,000	25,000	S	52,000
Native-born	45,000	54,000	25,000	S	52,000
Naturalized	46,000	50,000	36,000	D	55,000
Non-U.S. citizen	26,000	43,000	23,000	D	D
Permanent resident	23,000	S	21,000	D	D
Temporary resident	27,000	D	D	D	D
Agricultural/food scientists	42,000	44,000	30,000	D	45,000
U.S. citizen	43,000	44,000	31,000	D	45,000
Native-born	43,000	45,000	31,000	D	45,000
Naturalized	D	D	D	D	D
Non-U.S. citizen	D	D	D	D	D
Permanent resident	D	D	D	D	D
Temporary resident	D	D	D	D	D
Biological/medical scientists	45,000	55,000	26,000	D	52,000
U.S. citizen	45,000	55,000	26,000	D	52,000
Native-born	45,000	55,000	25,000	D	51,000
Naturalized	50,000	51,000	42,000	D	59,000
Non-U.S. citizen	26,000	S	23,000	D	D
Permanent resident	25,000	45,000	D	D	D
Temporary resident	27,000	D	D	D	D
Environmental life scientists	53,000	40,000	D	D	59,000
U.S. citizen	56,000	D	D	D	59,000
Native-born	56,000	D	D	D	59,000
Naturalized	D	D	D	D	D
Non-U.S. citizen	D	D	D	D	D
Permanent resident	D	D	D	D	D
Temporary resident	D	D	D	D	D

TABLE 14. Median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, citizenship status, and employment sector: 2008
(Dollars)

Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment: Business/ industry	4-year college/ university	Other educational institution	Government
Postsecondary teachers-life/related sciences	20,000	D	14,000	S	D
U.S. citizen	20,000	D	15,000	S	D
Native-born	18,000	D	14,000	S	D
Naturalized	D	D	D	D	D
Non-U.S. citizen	D	D	D	D	D
Permanent resident	D	D	D	D	D
Temporary resident	D	D	D	D	D
Computer/mathematical scientists	80,000	82,000	55,000	45,000	71,000
U.S. citizen	79,000	80,000	55,000	45,000	71,000
Native-born	78,000	80,000	55,000	44,000	70,000
Naturalized	83,000	86,000	59,000	66,000	73,000
Non-U.S. citizen	86,000	90,000	23,000	D	71,000
Permanent resident	93,000	96,000	64,000	D	71,000
Temporary resident	67,000	70,000	22,000	D	D
Computer/information scientists	80,000	82,000	55,000	45,000	73,000
U.S. citizen	80,000	81,000	55,000	45,000	73,000
Native-born	79,000	80,000	55,000	45,000	72,000
Naturalized	84,000	86,000	75,000	D	73,000
Non-U.S. citizen	90,000	90,000	S	D	71,000
Permanent resident	94,000	96,000	D	D	71,000
Temporary resident	71,000	71,000	D	D	D
Mathematical scientists	61,000	69,000	27,000	D	59,000
U.S. citizen	61,000	69,000	25,000	D	59,000
Native-born	61,000	70,000	25,000	D	60,000
Naturalized	58,000	62,000	D	D	D
Non-U.S. citizen	D	D	D	D	D
Permanent resident	D	D	D	D	D
Temporary resident	D	D	D	D	D
Postsecondary teachers-computer/mathematical sciences	20,000	D	19,000	20,000	D
U.S. citizen	20,000	D	18,000	20,000	D
Native-born	19,000	D	17,000	20,000	D
Naturalized	19,000	D	19,000	D	D
Non-U.S. citizen	20,000	D	20,000	D	D
Permanent resident	D	D	D	D	D
Temporary resident	20,000	D	20,000	D	D
Physical/related scientists	60,000	65,000	24,000	D	63,000
U.S. citizen	60,000	65,000	24,000	D	63,000
Native-born	60,000	65,000	24,000	D	62,000
Naturalized	67,000	72,000	33,000	D	63,000
Non-U.S. citizen	46,000	71,000	21,000	D	D
Permanent resident	58,000	68,000	D	D	D
Temporary resident	22,000	D	21,000	D	D
Chemists, except biochemists	60,000	64,000	25,000	D	55,000
U.S. citizen	60,000	64,000	25,000	D	55,000
Native-born	60,000	62,000	25,000	D	53,000
Naturalized	70,000	71,000	D	D	61,000
Non-U.S. citizen	46,000	54,000	D	D	D
Permanent resident	49,000	52,000	D	D	D
Temporary resident	23,000	D	D	D	D

TABLE 14. Median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, citizenship status, and employment sector: 2008
(Dollars)

Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment: Business/ industry	4-year college/ university	Other educational institution	Government
Earth/atmospheric/ocean scientists	65,000	66,000	28,000	D	69,000
U.S. citizen	65,000	65,000	28,000	D	69,000
Native-born	65,000	63,000	25,000	D	69,000
Naturalized	64,000	74,000	D	D	D
Non-U.S. citizen	D	D	D	D	D
Permanent resident	D	D	D	D	D
Temporary resident	D	D	D	D	D
Physicists/astronomers	S	D	22,000	D	74,000
U.S. citizen	30,000	82,000	22,000	D	76,000
Native-born	30,000	87,000	22,000	D	76,000
Naturalized	D	D	D	D	D
Non-U.S. citizen	D	D	D	D	D
Permanent resident	D	D	D	D	D
Temporary resident	D	D	D	D	D
Postsecondary teachers-physical/related sciences	22,000	D	22,000	D	D
U.S. citizen	23,000	D	22,000	D	D
Native-born	23,000	D	23,000	D	D
Naturalized	D	D	D	D	D
Non-U.S. citizen	D	D	D	D	D
Permanent resident	D	D	D	D	D
Temporary resident	D	D	D	D	D
Other physical/related scientists	62,000	71,000	D	D	55,000
U.S. citizen	62,000	71,000	D	D	55,000
Native-born	62,000	71,000	D	D	55,000
Naturalized	D	D	D	D	D
Non-U.S. citizen	D	D	D	D	D
Permanent resident	D	D	D	D	D
Temporary resident	D	D	D	D	D
Social/related scientists	46,000	63,000	16,000	22,000	55,000
U.S. citizen	47,000	63,000	16,000	22,000	55,000
Native-born	46,000	63,000	16,000	22,000	56,000
Naturalized	50,000	66,000	23,000	D	45,000
Non-U.S. citizen	19,000	D	18,000	D	D
Permanent resident	S	D	D	D	D
Temporary resident	D	D	D	D	D
Economists	62,000	67,000	D	D	65,000
U.S. citizen	62,000	67,000	D	D	65,000
Native-born	63,000	67,000	D	D	65,000
Naturalized	D	D	D	D	D
Non-U.S. citizen	D	D	D	D	D
Permanent resident	D	D	D	D	D
Temporary resident	D	D	D	D	D
Political/related scientists	41,000	41,000	20,000	D	49,000
U.S. citizen	41,000	41,000	21,000	D	49,000
Native-born	41,000	D	21,000	D	49,000
Naturalized	D	D	D	D	D
Non-U.S. citizen	D	D	D	D	D
Permanent resident	D	D	D	D	D
Temporary resident	D	D	D	D	D

TABLE 14. Median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, citizenship status, and employment sector: 2008
(Dollars)

Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment: Business/ industry	4-year college/ university	Other educational institution	Government
Postsecondary teachers-social/related sciences	15,000	D	15,000	12,000	D
U.S. citizen	15,000	D	15,000	12,000	D
Native-born	15,000	D	15,000	12,000	D
Naturalized	D	D	D	D	D
Non-U.S. citizen	17,000	D	17,000	D	D
Permanent resident	D	D	D	D	D
Temporary resident	D	D	D	D	D
Psychologists	30,000	34,000	16,000	S	D
U.S. citizen	30,000	34,000	18,000	S	D
Native-born	29,000	34,000	15,000	D	D
Naturalized	28,000	D	26,000	D	D
Non-U.S. citizen	D	D	D	D	D
Permanent resident	D	D	D	D	D
Temporary resident	D	D	D	D	D
Sociologists/anthropologists	25,000	34,000	D	D	D
U.S. citizen	25,000	34,000	D	D	D
Native-born	26,000	35,000	D	D	D
Naturalized	D	D	D	D	D
Non-U.S. citizen	D	D	D	D	D
Permanent resident	D	D	D	D	D
Temporary resident	D	D	D	D	D
Other social/related scientists	64,000	67,000	39,000	D	57,000
U.S. citizen	64,000	67,000	D	D	57,000
Native-born	64,000	66,000	D	D	58,000
Naturalized	60,000	79,000	D	D	D
Non-U.S. citizen	50,000	D	D	D	D
Permanent resident	50,000	D	D	D	D
Temporary resident	D	D	D	D	D
Engineering occupations	80,000	82,000	25,000	59,000	80,000
U.S. citizen	81,000	82,000	26,000	59,000	81,000
Native-born	81,000	82,000	25,000	56,000	81,000
Naturalized	80,000	80,000	25,000	D	80,000
Non-U.S. citizen	70,000	73,000	22,000	D	59,000
Permanent resident	79,000	84,000	D	D	57,000
Temporary resident	62,000	64,000	16,000	D	D
Aerospace/aeronautical/astronautical engineers	94,000	90,000	24,000	D	106,000
U.S. citizen	94,000	90,000	23,000	D	106,000
Native-born	95,000	93,000	23,000	D	106,000
Naturalized	87,000	87,000	D	D	D
Non-U.S. citizen	85,000	85,000	D	D	D
Permanent resident	96,000	96,000	D	D	D
Temporary resident	D	D	D	D	D
Chemical engineers	85,000	87,000	20,000	D	101,000
U.S. citizen	85,000	87,000	D	D	101,000
Native-born	85,000	85,000	D	D	101,000
Naturalized	88,000	89,000	D	D	D
Non-U.S. citizen	79,000	100,000	D	D	D
Permanent resident	112,000	D	D	D	D
Temporary resident	45,000	D	D	D	D

TABLE 14. Median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, citizenship status, and employment sector: 2008
(Dollars)

Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment			
		Business/ industry	4-year college/ university	Other educational institution	Government
Civil/architectural/sanitary engineers	75,000	75,000	20,000	D	78,000
U.S. citizen	75,000	75,000	20,000	D	78,000
Native-born	77,000	76,000	20,000	D	78,000
Naturalized	70,000	68,000	D	D	75,000
Non-U.S. citizen	66,000	65,000	D	D	D
Permanent resident	66,000	66,000	D	D	D
Temporary resident	56,000	55,000	D	D	D
Electrical/computer hardware engineers	87,000	87,000	44,000	D	85,000
U.S. citizen	87,000	88,000	53,000	D	85,000
Native-born	87,000	87,000	53,000	D	82,000
Naturalized	89,000	89,000	D	D	94,000
Non-U.S. citizen	71,000	72,000	D	D	D
Permanent resident	83,000	85,000	D	D	D
Temporary resident	58,000	58,000	D	D	D
Industrial engineers	72,000	72,000	D	D	70,000
U.S. citizen	72,000	72,000	D	D	70,000
Native-born	73,000	74,000	D	D	70,000
Naturalized	69,000	69,000	D	D	D
Non-U.S. citizen	70,000	70,000	D	D	D
Permanent resident	79,000	79,000	D	D	D
Temporary resident	D	D	D	D	D
Mechanical engineers	81,000	81,000	S	D	86,000
U.S. citizen	81,000	81,000	S	D	86,000
Native-born	81,000	81,000	61,000	D	85,000
Naturalized	83,000	82,000	D	D	86,000
Non-U.S. citizen	79,000	81,000	D	D	D
Permanent resident	89,000	86,000	D	D	D
Temporary resident	S	75,000	D	D	D
Postsecondary teachers-engineering	S	D	27,000	49,000	D
U.S. citizen	43,000	D	27,000	49,000	D
Native-born	47,000	D	S	48,000	D
Naturalized	26,000	D	D	D	D
Non-U.S. citizen	D	D	D	D	D
Permanent resident	D	D	D	D	D
Temporary resident	D	D	D	D	D
Other engineers	80,000	80,000	25,000	D	79,000
U.S. citizen	80,000	81,000	25,000	D	79,000
Native-born	80,000	81,000	25,000	D	78,000
Naturalized	80,000	81,000	D	D	74,000
Non-U.S. citizen	59,000	60,000	D	D	D
Permanent resident	59,000	60,000	D	D	D
Temporary resident	S	S	D	D	D
S&E-related occupations	58,000	60,000	49,000	45,000	60,000
U.S. citizen	58,000	60,000	49,000	45,000	60,000
Native-born	56,000	60,000	48,000	45,000	60,000
Naturalized	66,000	69,000	57,000	44,000	60,000
Non-U.S. citizen	51,000	52,000	29,000	47,000	81,000
Permanent resident	50,000	50,000	29,000	40,000	81,000
Temporary resident	53,000	S	D	D	D

TABLE 14. Median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, citizenship status, and employment sector: 2008
(Dollars)

Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment			
		Business/ industry	4-year college/ university	Other educational institution	Government
Health occupations	54,000	54,000	49,000	40,000	57,000
U.S. citizen	54,000	54,000	50,000	40,000	57,000
Native-born	52,000	52,000	48,000	40,000	56,000
Naturalized	64,000	65,000	66,000	D	59,000
Non-U.S. citizen	36,000	41,000	S	D	D
Permanent resident	39,000	42,000	D	D	D
Temporary resident	D	36,000	D	D	D
S&E managers, including health	104,000	110,000	89,000	64,000	94,000
U.S. citizen	104,000	108,000	89,000	64,000	93,000
Native-born	103,000	108,000	81,000	67,000	93,000
Naturalized	106,000	108,000	D	D	98,000
Non-U.S. citizen	116,000	117,000	D	D	D
Permanent resident	117,000	118,000	D	D	D
Temporary resident	D	D	D	D	D
S&E precollege teachers	45,000	D	D	45,000	D
U.S. citizen	45,000	D	D	45,000	D
Native-born	45,000	D	D	45,000	D
Naturalized	41,000	D	D	41,000	D
Non-U.S. citizen	55,000	D	D	55,000	D
Permanent resident	53,000	D	D	53,000	D
Temporary resident	D	D	D	D	D
S&E technicians/technologists	62,000	66,000	36,000	68,000	55,000
U.S. citizen	62,000	66,000	36,000	68,000	55,000
Native-born	61,000	66,000	35,000	59,000	55,000
Naturalized	64,000	69,000	41,000	D	53,000
Non-U.S. citizen	63,000	66,000	38,000	D	D
Permanent resident	51,000	55,000	D	D	D
Temporary resident	64,000	65,000	D	D	D
Other S&E-related occupations	79,000	79,000	75,000	D	63,000
U.S. citizen	79,000	79,000	D	D	63,000
Native-born	79,000	79,000	D	D	63,000
Naturalized	79,000	81,000	D	D	D
Non-U.S. citizen	78,000	72,000	D	D	D
Permanent resident	68,000	59,000	D	D	D
Temporary resident	D	D	D	D	D
Non-S&E occupations	50,000	51,000	38,000	34,000	52,000
U.S. citizen	50,000	51,000	37,000	34,000	53,000
Native-born	50,000	52,000	36,000	34,000	52,000
Naturalized	48,000	50,000	40,000	30,000	53,000
Non-U.S. citizen	47,000	56,000	40,000	S	45,000
Permanent resident	47,000	58,000	41,000	S	45,000
Temporary resident	43,000	45,000	D	D	D
Arts/humanities/related occupations	40,000	41,000	32,000	12,000	45,000
U.S. citizen	40,000	41,000	31,000	12,000	47,000
Native-born	40,000	40,000	30,000	11,000	41,000
Naturalized	44,000	42,000	D	D	D
Non-U.S. citizen	S	D	D	D	D
Permanent resident	S	D	D	D	D
Temporary resident	D	D	D	D	D

TABLE 14. Median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, citizenship status, and employment sector: 2008
(Dollars)

Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment: Business/ industry	4-year college/ university	Other educational institution	Government
Management-related occupations	64,000	64,000	48,000	47,000	65,000
U.S. citizen	63,000	64,000	48,000	47,000	65,000
Native-born	65,000	65,000	48,000	42,000	66,000
Naturalized	60,000	60,000	58,000	D	55,000
Non-U.S. citizen	67,000	72,000	D	D	D
Permanent resident	73,000	76,000	D	D	D
Temporary resident	65,000	65,000	D	D	D
Non-S&E managers	104,000	110,000	77,000	58,000	89,000
U.S. citizen	104,000	110,000	73,000	59,000	89,000
Native-born	104,000	110,000	92,000	58,000	89,000
Naturalized	99,000	99,000	64,000	D	89,000
Non-U.S. citizen	136,000	139,000	D	D	D
Permanent resident	135,000	136,000	D	D	D
Temporary resident	D	D	D	D	D
Non-S&E postsecondary teachers	21,000	S	19,000	27,000	D
U.S. citizen	22,000	S	19,000	27,000	D
Native-born	21,000	S	19,000	30,000	D
Naturalized	D	D	D	D	D
Non-U.S. citizen	D	D	D	D	D
Permanent resident	D	D	D	D	D
Temporary resident	D	D	D	D	D
Non-S&E precollege/other teachers	33,000	25,000	D	34,000	D
U.S. citizen	33,000	25,000	D	34,000	D
Native-born	34,000	25,000	D	35,000	D
Naturalized	30,000	D	D	30,000	D
Non-U.S. citizen	S	D	D	S	D
Permanent resident	S	D	D	S	D
Temporary resident	D	D	D	D	D
Sales/marketing occupations	60,000	60,000	44,000	42,000	60,000
U.S. citizen	60,000	60,000	44,000	42,000	60,000
Native-born	60,000	60,000	47,000	42,000	75,000
Naturalized	50,000	50,000	D	D	D
Non-U.S. citizen	91,000	91,000	D	D	D
Permanent resident	90,000	90,000	D	D	D
Temporary resident	D	D	D	D	D
Social services/related occupations	35,000	32,000	33,000	38,000	40,000
U.S. citizen	35,000	32,000	33,000	38,000	40,000
Native-born	35,000	32,000	36,000	37,000	38,000
Naturalized	40,000	36,000	D	D	56,000
Non-U.S. citizen	S	19,000	D	D	D
Permanent resident	S	19,000	D	D	D
Temporary resident	D	D	D	D	D
Other non-S&E occupations	40,000	36,000	33,000	22,000	50,000
U.S. citizen	40,000	36,000	31,000	22,000	50,000
Native-born	40,000	36,000	31,000	24,000	50,000
Naturalized	40,000	39,000	S	S	50,000
Non-U.S. citizen	35,000	30,000	30,000	D	45,000
Permanent resident	36,000	30,000	33,000	D	45,000
Temporary resident	D	D	D	D	D

TABLE 14. Median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, citizenship status, and employment sector: 2008
(Dollars)

Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment: Business/ industry	4-year college/ university	Other educational institution	Government
Master's degrees, all occupations	70,000	82,000	48,000	54,000	72,000
U.S. citizen	70,000	82,000	50,000	54,000	72,000
Native-born	68,000	80,000	49,000	54,000	72,000
Naturalized	84,000	91,000	60,000	58,000	74,000
Non-U.S. citizen	75,000	84,000	25,000	47,000	64,000
Permanent resident	81,000	87,000	46,000	43,000	65,000
Temporary resident	70,000	77,000	22,000	47,000	60,000
S&E occupations	83,000	91,000	36,000	50,000	78,000
U.S. citizen	84,000	93,000	40,000	50,000	78,000
Native-born	80,000	92,000	40,000	50,000	78,000
Naturalized	93,000	98,000	51,000	63,000	80,000
Non-U.S. citizen	80,000	85,000	24,000	47,000	64,000
Permanent resident	86,000	90,000	46,000	39,000	65,000
Temporary resident	70,000	75,000	21,000	47,000	60,000
Science occupations	78,000	90,000	38,000	50,000	72,000
U.S. citizen	77,000	90,000	40,000	50,000	72,000
Native-born	72,000	88,000	38,000	50,000	72,000
Naturalized	90,000	95,000	51,000	62,000	76,000
Non-U.S. citizen	80,000	86,000	25,000	47,000	68,000
Permanent resident	85,000	90,000	46,000	39,000	73,000
Temporary resident	70,000	80,000	22,000	47,000	60,000
Biological/agricultural/other life scientists	56,000	73,000	40,000	43,000	63,000
U.S. citizen	60,000	74,000	40,000	43,000	62,000
Native-born	56,000	71,000	40,000	43,000	62,000
Naturalized	74,000	79,000	34,000	D	66,000
Non-U.S. citizen	47,000	63,000	40,000	D	D
Permanent resident	47,000	64,000	42,000	D	D
Temporary resident	39,000	58,000	24,000	D	D
Agricultural/food scientists	56,000	74,000	43,000	D	58,000
U.S. citizen	58,000	75,000	43,000	D	58,000
Native-born	50,000	68,000	43,000	D	58,000
Naturalized	D	D	D	D	D
Non-U.S. citizen	45,000	60,000	D	D	D
Permanent resident	D	D	D	D	D
Temporary resident	26,000	D	D	D	D
Biological/medical scientists	62,000	73,000	38,000	D	69,000
U.S. citizen	63,000	75,000	35,000	D	69,000
Native-born	62,000	71,000	34,000	D	69,000
Naturalized	75,000	79,000	35,000	D	67,000
Non-U.S. citizen	47,000	64,000	43,000	D	D
Permanent resident	47,000	62,000	42,000	D	D
Temporary resident	43,000	52,000	D	D	D
Environmental life scientists	55,000	67,000	22,000	D	55,000
U.S. citizen	55,000	67,000	D	D	55,000
Native-born	58,000	69,000	D	D	54,000
Naturalized	D	D	D	D	D
Non-U.S. citizen	D	D	D	D	D
Permanent resident	D	D	D	D	D
Temporary resident	D	D	D	D	D

TABLE 14. Median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, citizenship status, and employment sector: 2008
(Dollars)

Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment: Business/ industry	4-year college/ university	Other educational institution	Government
Postsecondary teachers-life/related sciences	41,000	D	40,000	43,000	D
U.S. citizen	41,000	D	40,000	43,000	D
Native-born	41,000	D	41,000	43,000	D
Naturalized	S	D	12,000	D	D
Non-U.S. citizen	19,000	D	D	D	D
Permanent resident	D	D	D	D	D
Temporary resident	D	D	D	D	D
Computer/mathematical scientists	89,000	94,000	48,000	43,000	80,000
U.S. citizen	90,000	96,000	49,000	43,000	80,000
Native-born	86,000	95,000	47,000	42,000	83,000
Naturalized	96,000	99,000	70,000	60,000	77,000
Non-U.S. citizen	86,000	89,000	36,000	48,000	76,000
Permanent resident	92,000	93,000	51,000	36,000	77,000
Temporary resident	76,000	84,000	27,000	D	61,000
Computer/information scientists	91,000	95,000	56,000	43,000	77,000
U.S. citizen	92,000	96,000	59,000	43,000	77,000
Native-born	90,000	95,000	54,000	42,000	75,000
Naturalized	98,000	100,000	75,000	82,000	77,000
Non-U.S. citizen	88,000	89,000	44,000	D	70,000
Permanent resident	93,000	94,000	51,000	D	71,000
Temporary resident	79,000	84,000	39,000	D	63,000
Mathematical scientists	85,000	89,000	38,000	D	84,000
U.S. citizen	85,000	91,000	38,000	D	84,000
Native-born	85,000	93,000	38,000	D	84,000
Naturalized	89,000	90,000	52,000	D	90,000
Non-U.S. citizen	77,000	84,000	24,000	D	D
Permanent resident	88,000	88,000	D	D	D
Temporary resident	63,000	77,000	24,000	D	D
Postsecondary teachers-computer/mathematical sciences	38,000	D	36,000	42,000	D
U.S. citizen	38,000	D	36,000	41,000	D
Native-born	37,000	D	35,000	40,000	D
Naturalized	47,000	D	40,000	47,000	D
Non-U.S. citizen	33,000	D	S	D	D
Permanent resident	49,000	D	42,000	D	D
Temporary resident	18,000	D	18,000	D	D
Physical/related scientists	68,000	79,000	24,000	43,000	76,000
U.S. citizen	70,000	81,000	25,000	43,000	78,000
Native-born	70,000	85,000	25,000	44,000	79,000
Naturalized	73,000	78,000	S	D	68,000
Non-U.S. citizen	42,000	56,000	22,000	D	43,000
Permanent resident	44,000	43,000	42,000	D	D
Temporary resident	22,000	66,000	21,000	D	D
Chemists, except biochemists	70,000	75,000	25,000	D	60,000
U.S. citizen	75,000	79,000	24,000	D	62,000
Native-born	75,000	84,000	24,000	D	58,000
Naturalized	74,000	78,000	D	D	66,000
Non-U.S. citizen	44,000	45,000	26,000	D	D
Permanent resident	42,000	D	31,000	D	D
Temporary resident	26,000	61,000	D	D	D

TABLE 14. Median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, citizenship status, and employment sector: 2008
(Dollars)

Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment			
		Business/ industry	4-year college/ university	Other educational institution	Government
Earth/atmospheric/ocean scientists	84,000	93,000	34,000	D	73,000
U.S. citizen	84,000	93,000	36,000	D	76,000
Native-born	85,000	95,000	35,000	D	78,000
Naturalized	66,000	74,000	D	D	57,000
Non-U.S. citizen	50,000	S	28,000	D	D
Permanent resident	40,000	D	D	D	D
Temporary resident	55,000	D	D	D	D
Physicists/astronomers	50,000	95,000	22,000	D	79,000
U.S. citizen	72,000	95,000	25,000	D	90,000
Native-born	73,000	96,000	24,000	D	92,000
Naturalized	D	D	D	D	D
Non-U.S. citizen	22,000	D	22,000	D	D
Permanent resident	81,000	D	D	D	D
Temporary resident	21,000	D	20,000	D	D
Postsecondary teachers-physical/related sciences	21,000	D	20,000	43,000	D
U.S. citizen	S	D	20,000	43,000	D
Native-born	S	D	20,000	44,000	D
Naturalized	S	D	D	D	D
Non-U.S. citizen	18,000	D	18,000	D	D
Permanent resident	D	D	D	D	D
Temporary resident	18,000	D	D	D	D
Other physical/related scientists	67,000	63,000	36,000	D	84,000
U.S. citizen	67,000	63,000	40,000	D	84,000
Native-born	67,000	63,000	40,000	D	84,000
Naturalized	D	D	D	D	D
Non-U.S. citizen	D	D	D	D	D
Permanent resident	D	D	D	D	D
Temporary resident	D	D	D	D	D
Social/related scientists	58,000	65,000	20,000	55,000	76,000
U.S. citizen	59,000	65,000	23,000	55,000	76,000
Native-born	59,000	64,000	23,000	55,000	75,000
Naturalized	70,000	69,000	24,000	76,000	D
Non-U.S. citizen	27,000	71,000	15,000	D	73,000
Permanent resident	70,000	81,000	D	D	D
Temporary resident	19,000	68,000	15,000	D	D
Economists	91,000	108,000	D	D	101,000
U.S. citizen	93,000	107,000	D	D	101,000
Native-born	99,000	111,000	D	D	101,000
Naturalized	67,000	67,000	D	D	D
Non-U.S. citizen	59,000	112,000	D	D	D
Permanent resident	D	D	D	D	D
Temporary resident	S	S	D	D	D
Political/related scientists	80,000	71,000	D	D	D
U.S. citizen	82,000	77,000	D	D	D
Native-born	81,000	73,000	D	D	D
Naturalized	D	D	D	D	D
Non-U.S. citizen	S	D	D	D	D
Permanent resident	D	D	D	D	D
Temporary resident	D	D	D	D	D

TABLE 14. Median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, citizenship status, and employment sector: 2008
(Dollars)

Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment: Business/ industry	4-year college/ university	Other educational institution	Government
Postsecondary teachers-social/related sciences	24,000	D	19,000	39,000	D
U.S. citizen	S	D	21,000	40,000	D
Native-born	S	D	20,000	40,000	D
Naturalized	33,000	D	28,000	D	D
Non-U.S. citizen	13,000	D	13,000	D	D
Permanent resident	D	D	D	D	D
Temporary resident	13,000	D	13,000	D	D
Psychologists	53,000	49,000	23,000	58,000	71,000
U.S. citizen	54,000	49,000	24,000	58,000	72,000
Native-born	54,000	49,000	S	57,000	72,000
Naturalized	55,000	41,000	18,000	74,000	D
Non-U.S. citizen	30,000	33,000	D	D	D
Permanent resident	S	D	D	D	D
Temporary resident	25,000	D	D	D	D
Sociologists/anthropologists	45,000	59,000	18,000	D	46,000
U.S. citizen	45,000	59,000	18,000	D	46,000
Native-born	45,000	58,000	18,000	D	46,000
Naturalized	D	D	D	D	D
Non-U.S. citizen	D	D	D	D	D
Permanent resident	D	D	D	D	D
Temporary resident	D	D	D	D	D
Other social/related scientists	84,000	96,000	22,000	D	70,000
U.S. citizen	86,000	96,000	57,000	D	70,000
Native-born	84,000	96,000	60,000	D	68,000
Naturalized	98,000	90,000	D	D	D
Non-U.S. citizen	67,000	75,000	17,000	D	D
Permanent resident	89,000	96,000	D	D	D
Temporary resident	22,000	D	18,000	D	D
Engineering occupations	92,000	95,000	26,000	56,000	88,000
U.S. citizen	95,000	97,000	46,000	56,000	89,000
Native-born	95,000	96,000	46,000	54,000	90,000
Naturalized	97,000	99,000	S	D	86,000
Non-U.S. citizen	77,000	80,000	22,000	D	56,000
Permanent resident	89,000	90,000	31,000	D	56,000
Temporary resident	69,000	71,000	21,000	D	48,000
Aerospace/aeronautical/astronautical engineers	100,000	102,000	25,000	D	103,000
U.S. citizen	102,000	102,000	D	D	103,000
Native-born	104,000	103,000	D	D	110,000
Naturalized	90,000	93,000	D	D	S
Non-U.S. citizen	75,000	94,000	21,000	D	D
Permanent resident	95,000	97,000	D	D	D
Temporary resident	22,000	69,000	21,000	D	D
Chemical engineers	103,000	104,000	24,000	D	90,000
U.S. citizen	104,000	105,000	D	D	91,000
Native-born	98,000	99,000	D	D	D
Naturalized	109,000	109,000	D	D	D
Non-U.S. citizen	99,000	103,000	D	D	D
Permanent resident	103,000	103,000	D	D	D
Temporary resident	55,000	70,000	D	D	D

TABLE 14. Median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, citizenship status, and employment sector: 2008
(Dollars)

Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment			
		Business/ industry	4-year college/ university	Other educational institution	Government
Civil/architectural/sanitary engineers	87,000	89,000	S	D	85,000
U.S. citizen	89,000	90,000	S	D	85,000
Native-born	90,000	91,000	D	D	87,000
Naturalized	89,000	89,000	D	D	83,000
Non-U.S. citizen	69,000	71,000	D	D	62,000
Permanent resident	75,000	79,000	D	D	61,000
Temporary resident	69,000	69,000	D	D	D
Electrical/computer hardware engineers	100,000	100,000	24,000	D	93,000
U.S. citizen	100,000	102,000	S	D	94,000
Native-born	100,000	100,000	S	D	92,000
Naturalized	104,000	105,000	D	D	98,000
Non-U.S. citizen	83,000	85,000	23,000	D	D
Permanent resident	91,000	92,000	D	D	D
Temporary resident	75,000	79,000	23,000	D	D
Industrial engineers	90,000	90,000	22,000	D	D
U.S. citizen	92,000	93,000	D	D	D
Native-born	94,000	94,000	D	D	D
Naturalized	86,000	86,000	D	D	D
Non-U.S. citizen	62,000	68,000	20,000	D	D
Permanent resident	74,000	74,000	D	D	D
Temporary resident	61,000	65,000	20,000	D	D
Mechanical engineers	90,000	90,000	23,000	D	98,000
U.S. citizen	90,000	90,000	29,000	D	98,000
Native-born	90,000	90,000	29,000	D	97,000
Naturalized	90,000	90,000	D	D	97,000
Non-U.S. citizen	76,000	79,000	20,000	D	D
Permanent resident	88,000	89,000	D	D	D
Temporary resident	66,000	70,000	19,000	D	D
Postsecondary teachers-engineering	54,000	D	46,000	54,000	D
U.S. citizen	58,000	D	57,000	54,000	D
Native-born	58,000	D	57,000	54,000	D
Naturalized	D	D	D	D	D
Non-U.S. citizen	17,000	D	17,000	D	D
Permanent resident	D	D	D	D	D
Temporary resident	16,000	D	16,000	D	D
Other engineers	86,000	93,000	25,000	D	78,000
U.S. citizen	90,000	95,000	26,000	D	78,000
Native-born	88,000	95,000	27,000	D	77,000
Naturalized	95,000	98,000	S	D	79,000
Non-U.S. citizen	70,000	78,000	25,000	D	D
Permanent resident	79,000	80,000	D	D	D
Temporary resident	61,000	65,000	24,000	D	D
S&E-related occupations	67,000	77,000	63,000	55,000	73,000
U.S. citizen	67,000	77,000	63,000	55,000	73,000
Native-born	65,000	75,000	60,000	55,000	74,000
Naturalized	78,000	84,000	88,000	61,000	71,000
Non-U.S. citizen	74,000	83,000	46,000	48,000	D
Permanent resident	76,000	83,000	86,000	48,000	D
Temporary resident	60,000	78,000	40,000	D	D

TABLE 14. Median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, citizenship status, and employment sector: 2008
(Dollars)

Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment: Business/ industry	4-year college/ university	Other educational institution	Government
Health occupations	64,000	67,000	60,000	52,000	70,000
U.S. citizen	64,000	67,000	60,000	52,000	70,000
Native-born	63,000	67,000	59,000	52,000	69,000
Naturalized	70,000	69,000	86,000	51,000	69,000
Non-U.S. citizen	63,000	64,000	S	D	D
Permanent resident	71,000	64,000	87,000	D	D
Temporary resident	50,000	S	45,000	D	D
S&E managers, including health	113,000	120,000	99,000	D	103,000
U.S. citizen	112,000	120,000	99,000	D	103,000
Native-born	111,000	120,000	99,000	D	102,000
Naturalized	114,000	118,000	96,000	D	104,000
Non-U.S. citizen	122,000	126,000	D	D	D
Permanent resident	140,000	145,000	D	D	D
Temporary resident	D	D	D	D	D
S&E precollege teachers	55,000	D	D	55,000	D
U.S. citizen	56,000	D	D	56,000	D
Native-born	55,000	D	D	55,000	D
Naturalized	61,000	D	D	61,000	D
Non-U.S. citizen	48,000	D	D	48,000	D
Permanent resident	48,000	D	D	48,000	D
Temporary resident	D	D	D	D	D
S&E technicians/technologists	70,000	78,000	35,000	20,000	55,000
U.S. citizen	70,000	78,000	36,000	20,000	55,000
Native-born	65,000	75,000	34,000	20,000	55,000
Naturalized	79,000	83,000	47,000	D	65,000
Non-U.S. citizen	74,000	77,000	32,000	D	D
Permanent resident	73,000	77,000	D	D	D
Temporary resident	63,000	77,000	29,000	D	D
Other S&E-related occupations	83,000	84,000	D	D	65,000
U.S. citizen	84,000	85,000	D	D	65,000
Native-born	83,000	85,000	D	D	66,000
Naturalized	85,000	85,000	D	D	D
Non-U.S. citizen	72,000	72,000	D	D	D
Permanent resident	73,000	73,000	D	D	D
Temporary resident	52,000	52,000	D	D	D
Non-S&E occupations	63,000	75,000	49,000	53,000	68,000
U.S. citizen	63,000	75,000	50,000	53,000	68,000
Native-born	62,000	74,000	50,000	53,000	69,000
Naturalized	70,000	85,000	55,000	54,000	64,000
Non-U.S. citizen	65,000	76,000	25,000	S	S
Permanent resident	65,000	75,000	25,000	S	S
Temporary resident	69,000	80,000	23,000	D	D
Arts/humanities/related occupations	50,000	50,000	45,000	S	63,000
U.S. citizen	50,000	50,000	45,000	S	61,000
Native-born	50,000	50,000	45,000	S	64,000
Naturalized	51,000	55,000	D	D	D
Non-U.S. citizen	44,000	44,000	D	D	D
Permanent resident	S	S	D	D	D
Temporary resident	44,000	44,000	D	D	D

TABLE 14. Median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, citizenship status, and employment sector: 2008
(Dollars)

Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment: Business/ industry	4-year college/ university	Other educational institution	Government
Management-related occupations	85,000	90,000	60,000	54,000	79,000
U.S. citizen	85,000	90,000	60,000	54,000	80,000
Native-born	85,000	90,000	58,000	54,000	80,000
Naturalized	85,000	96,000	60,000	D	64,000
Non-U.S. citizen	87,000	90,000	D	D	D
Permanent resident	96,000	98,000	D	D	D
Temporary resident	82,000	86,000	D	D	D
Non-S&E managers	112,000	129,000	92,000	79,000	104,000
U.S. citizen	112,000	129,000	92,000	79,000	105,000
Native-born	110,000	128,000	92,000	79,000	106,000
Naturalized	125,000	130,000	D	74,000	89,000
Non-U.S. citizen	103,000	120,000	D	D	D
Permanent resident	97,000	111,000	D	D	D
Temporary resident	D	D	D	D	D
Non-S&E postsecondary teachers	38,000	S	36,000	37,000	69,000
U.S. citizen	39,000	S	37,000	37,000	69,000
Native-born	40,000	D	38,000	37,000	69,000
Naturalized	S	D	S	S	D
Non-U.S. citizen	21,000	D	22,000	D	D
Permanent resident	S	D	S	D	D
Temporary resident	17,000	D	17,000	D	D
Non-S&E precollege/other teachers	50,000	S	D	50,000	D
U.S. citizen	50,000	S	D	51,000	D
Native-born	50,000	S	D	50,000	D
Naturalized	52,000	D	D	53,000	D
Non-U.S. citizen	S	D	D	S	D
Permanent resident	S	D	D	S	D
Temporary resident	D	D	D	D	D
Sales/marketing occupations	85,000	85,000	D	D	D
U.S. citizen	85,000	85,000	D	D	D
Native-born	86,000	86,000	D	D	D
Naturalized	69,000	66,000	D	D	D
Non-U.S. citizen	72,000	73,000	D	D	D
Permanent resident	74,000	74,000	D	D	D
Temporary resident	D	D	D	D	D
Social services/related occupations	47,000	43,000	45,000	54,000	52,000
U.S. citizen	47,000	43,000	45,000	54,000	52,000
Native-born	47,000	43,000	45,000	54,000	51,000
Naturalized	53,000	43,000	53,000	61,000	62,000
Non-U.S. citizen	38,000	39,000	D	D	D
Permanent resident	39,000	39,000	D	D	D
Temporary resident	D	D	D	D	D
Other non-S&E occupations	45,000	39,000	40,000	43,000	60,000
U.S. citizen	45,000	39,000	43,000	44,000	60,000
Native-born	45,000	37,000	43,000	44,000	61,000
Naturalized	50,000	50,000	37,000	41,000	58,000
Non-U.S. citizen	S	S	22,000	D	D
Permanent resident	24,000	S	23,000	D	D
Temporary resident	48,000	75,000	10,000	D	D

TABLE 14. Median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, citizenship status, and employment sector: 2008

(Dollars)

Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment			
		Business/ industry	4-year college/ university	Other educational institution	Government
Doctoral degrees, all occupations	90,000	102,000	75,000	72,000	95,000
U.S. citizen	90,000	105,000	77,000	72,000	98,000
Native-born	85,000	100,000	75,000	72,000	98,000
Naturalized	100,000	114,000	89,000	54,000	97,000
Non-U.S. citizen	84,000	100,000	70,000	54,000	69,000
Permanent resident	90,000	101,000	75,000	54,000	71,000
Temporary resident	74,000	89,000	53,000	48,000	66,000
S&E occupations	86,000	100,000	73,000	60,000	93,000
U.S. citizen	89,000	103,000	75,000	61,000	96,000
Native-born	84,000	100,000	73,000	61,000	95,000
Naturalized	100,000	110,000	85,000	60,000	98,000
Non-U.S. citizen	80,000	95,000	66,000	53,000	66,000
Permanent resident	85,000	100,000	72,000	52,000	63,000
Temporary resident	74,000	88,000	50,000	53,000	69,000
Science occupations	81,000	100,000	70,000	60,000	90,000
U.S. citizen	82,000	100,000	72,000	60,000	92,000
Native-born	80,000	96,000	70,000	61,000	91,000
Naturalized	95,000	107,000	80,000	60,000	94,000
Non-U.S. citizen	80,000	95,000	64,000	52,000	63,000
Permanent resident	82,000	99,000	69,000	51,000	63,000
Temporary resident	67,000	85,000	49,000	53,000	55,000
Biological/agricultural/other life scientists	80,000	99,000	68,000	60,000	84,000
U.S. citizen	82,000	100,000	71,000	61,000	87,000
Native-born	78,000	99,000	70,000	60,000	85,000
Naturalized	95,000	109,000	74,000	64,000	92,000
Non-U.S. citizen	60,000	84,000	50,000	D	59,000
Permanent resident	72,000	89,000	55,000	D	60,000
Temporary resident	46,000	60,000	43,000	D	47,000
Agricultural/food scientists	85,000	93,000	74,000	D	82,000
U.S. citizen	90,000	95,000	80,000	D	85,000
Native-born	88,000	90,000	80,000	D	88,000
Naturalized	95,000	95,000	75,000	D	65,000
Non-U.S. citizen	58,000	82,000	47,000	D	D
Permanent resident	68,000	84,000	49,000	D	D
Temporary resident	43,000	58,000	38,000	D	D
Biological/medical scientists	81,000	100,000	60,000	77,000	84,000
U.S. citizen	89,000	102,000	70,000	77,000	86,000
Native-born	83,000	100,000	67,000	67,000	84,000
Naturalized	98,000	110,000	73,000	D	94,000
Non-U.S. citizen	60,000	84,000	48,000	D	58,000
Permanent resident	72,000	89,000	50,000	D	60,000
Temporary resident	45,000	59,000	42,000	D	47,000
Environmental life scientists	81,000	80,000	68,000	D	85,000
U.S. citizen	82,000	81,000	76,000	D	87,000
Native-born	82,000	81,000	76,000	D	84,000
Naturalized	85,000	D	D	D	D
Non-U.S. citizen	47,000	D	D	D	D
Permanent resident	58,000	D	D	D	D
Temporary resident	D	D	D	D	D

TABLE 14. Median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, citizenship status, and employment sector: 2008
(Dollars)

Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment			
		Business/ industry	4-year college/ university	Other educational institution	Government
Postsecondary teachers-life/related sciences	70,000	D	72,000	60,000	D
U.S. citizen	70,000	58,000	70,000	60,000	D
Native-born	70,000	53,000	70,000	60,000	D
Naturalized	71,000	D	75,000	63,000	D
Non-U.S. citizen	74,000	D	74,000	D	D
Permanent resident	76,000	D	75,000	D	D
Temporary resident	73,000	D	73,000	D	D
Computer/mathematical scientists	95,000	110,000	78,000	59,000	95,000
U.S. citizen	96,000	113,000	80,000	60,000	95,000
Native-born	92,000	110,000	75,000	60,000	95,000
Naturalized	103,000	119,000	85,000	57,000	100,000
Non-U.S. citizen	90,000	100,000	72,000	37,000	S
Permanent resident	95,000	105,000	80,000	35,000	43,000
Temporary resident	80,000	94,000	65,000	D	D
Computer/information scientists	104,000	110,000	79,000	D	89,000
U.S. citizen	107,000	111,000	81,000	D	D
Native-born	102,000	110,000	77,000	D	D
Naturalized	114,000	117,000	98,000	D	109,000
Non-U.S. citizen	99,000	105,000	69,000	D	D
Permanent resident	100,000	107,000	70,000	D	D
Temporary resident	87,000	98,000	62,000	D	D
Mathematical scientists	100,000	105,000	81,000	95,000	102,000
U.S. citizen	101,000	117,000	81,000	95,000	104,000
Native-born	100,000	115,000	75,000	D	109,000
Naturalized	109,000	119,000	92,000	D	93,000
Non-U.S. citizen	91,000	94,000	80,000	D	D
Permanent resident	98,000	99,000	97,000	D	D
Temporary resident	84,000	85,000	66,000	D	D
Postsecondary teachers-computer/mathematical sciences	74,000	D	77,000	58,000	D
U.S. citizen	75,000	D	78,000	56,000	D
Native-born	72,000	D	75,000	S	D
Naturalized	80,000	D	82,000	58,000	D
Non-U.S. citizen	72,000	D	73,000	44,000	D
Permanent resident	81,000	D	82,000	42,000	D
Temporary resident	65,000	D	65,000	D	D
Physical/related scientists	87,000	102,000	70,000	59,000	104,000
U.S. citizen	90,000	105,000	73,000	60,000	105,000
Native-born	88,000	107,000	71,000	59,000	106,000
Naturalized	95,000	100,000	81,000	D	99,000
Non-U.S. citizen	77,000	97,000	63,000	47,000	74,000
Permanent resident	84,000	101,000	70,000	D	93,000
Temporary resident	55,000	84,000	45,000	D	69,000
Chemists, except biochemists	99,000	102,000	56,000	D	88,000
U.S. citizen	100,000	104,000	60,000	D	89,000
Native-born	101,000	106,000	68,000	D	88,000
Naturalized	99,000	101,000	58,000	D	90,000
Non-U.S. citizen	93,000	100,000	42,000	D	D
Permanent resident	100,000	103,000	63,000	D	D
Temporary resident	61,000	81,000	38,000	D	D

TABLE 14. Median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, citizenship status, and employment sector: 2008
(Dollars)

Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment: Business/ industry	4-year college/ university	Other educational institution	Government
Earth/atmospheric/ocean scientists	90,000	99,000	68,000	D	100,000
U.S. citizen	94,000	100,000	71,000	D	103,000
Native-born	96,000	101,000	71,000	D	108,000
Naturalized	87,000	94,000	74,000	D	75,000
Non-U.S. citizen	69,000	81,000	60,000	D	66,000
Permanent resident	72,000	82,000	64,000	D	D
Temporary resident	66,000	77,000	51,000	D	D
Physicists/astronomers	103,000	109,000	63,000	D	114,000
U.S. citizen	108,000	112,000	79,000	D	118,000
Native-born	109,000	119,000	79,000	D	117,000
Naturalized	100,000	93,000	84,000	D	118,000
Non-U.S. citizen	77,000	96,000	49,000	D	81,000
Permanent resident	91,000	100,000	56,000	D	D
Temporary resident	49,000	82,000	48,000	D	D
Postsecondary teachers-physical/related sciences	71,000	D	73,000	58,000	D
U.S. citizen	71,000	D	73,000	59,000	D
Native-born	69,000	D	70,000	59,000	D
Naturalized	82,000	D	85,000	D	D
Non-U.S. citizen	69,000	D	69,000	47,000	D
Permanent resident	71,000	D	73,000	D	D
Temporary resident	52,000	D	52,000	D	D
Other physical/related scientists	90,000	88,000	82,000	D	105,000
U.S. citizen	95,000	89,000	85,000	D	105,000
Native-born	98,000	90,000	89,000	D	106,000
Naturalized	D	D	D	D	D
Non-U.S. citizen	84,000	77,000	D	D	D
Permanent resident	D	D	D	D	D
Temporary resident	79,000	79,000	D	D	D
Social/related scientists	73,000	80,000	70,000	61,000	89,000
U.S. citizen	73,000	79,000	70,000	61,000	88,000
Native-born	73,000	78,000	70,000	61,000	88,000
Naturalized	79,000	97,000	72,000	S	87,000
Non-U.S. citizen	78,000	93,000	71,000	55,000	102,000
Permanent resident	78,000	83,000	72,000	56,000	D
Temporary resident	83,000	123,000	63,000	D	D
Economists	119,000	138,000	99,000	D	116,000
U.S. citizen	119,000	140,000	102,000	D	117,000
Native-born	125,000	140,000	104,000	D	118,000
Naturalized	111,000	139,000	93,000	D	110,000
Non-U.S. citizen	109,000	130,000	79,000	D	D
Permanent resident	125,000	125,000	119,000	D	D
Temporary resident	101,000	127,000	D	D	D
Political/related scientists	96,000	114,000	80,000	D	100,000
U.S. citizen	96,000	111,000	80,000	D	100,000
Native-born	97,000	111,000	77,000	D	100,000
Naturalized	D	D	D	D	D
Non-U.S. citizen	92,000	D	83,000	D	D
Permanent resident	D	D	D	D	D
Temporary resident	D	D	D	D	D

TABLE 14. Median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, citizenship status, and employment sector: 2008
(Dollars)

Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment: Business/ industry	4-year college/ university	Other educational institution	Government
Postsecondary teachers-social/related sciences	70,000	59,000	70,000	55,000	D
U.S. citizen	70,000	63,000	70,000	55,000	D
Native-born	69,000	63,000	70,000	53,000	D
Naturalized	73,000	D	73,000	61,000	D
Non-U.S. citizen	71,000	D	72,000	56,000	D
Permanent resident	71,000	D	72,000	59,000	D
Temporary resident	71,000	D	72,000	D	D
Psychologists	74,000	74,000	67,000	68,000	84,000
U.S. citizen	75,000	74,000	67,000	69,000	84,000
Native-born	74,000	74,000	68,000	68,000	84,000
Naturalized	80,000	95,000	S	69,000	80,000
Non-U.S. citizen	63,000	S	63,000	D	D
Permanent resident	70,000	S	72,000	D	D
Temporary resident	D	D	D	D	D
Sociologists/anthropologists	76,000	82,000	68,000	D	81,000
U.S. citizen	78,000	80,000	70,000	D	81,000
Native-born	77,000	80,000	69,000	D	82,000
Naturalized	84,000	D	75,000	D	74,000
Non-U.S. citizen	D	D	37,000	D	D
Permanent resident	S	D	S	D	D
Temporary resident	D	D	38,000	D	D
Other social/related scientists	81,000	87,000	71,000	D	82,000
U.S. citizen	80,000	85,000	76,000	D	82,000
Native-born	82,000	85,000	77,000	71,000	81,000
Naturalized	70,000	86,000	69,000	D	D
Non-U.S. citizen	82,000	91,000	53,000	D	D
Permanent resident	82,000	86,000	48,000	D	D
Temporary resident	D	D	D	D	D
Engineering occupations	101,000	108,000	93,000	69,000	106,000
U.S. citizen	110,000	115,000	100,000	D	110,000
Native-born	109,000	114,000	100,000	D	110,000
Naturalized	110,000	116,000	101,000	D	106,000
Non-U.S. citizen	86,000	95,000	75,000	D	70,000
Permanent resident	93,000	100,000	81,000	D	70,000
Temporary resident	80,000	90,000	69,000	D	70,000
Aerospace/aeronautical/astronautical engineers	115,000	115,000	94,000	D	119,000
U.S. citizen	119,000	119,000	126,000	D	119,000
Native-born	118,000	115,000	D	D	120,000
Naturalized	116,000	117,000	D	D	97,000
Non-U.S. citizen	86,000	99,000	70,000	D	D
Permanent resident	99,000	100,000	D	D	D
Temporary resident	74,000	D	D	D	D
Chemical engineers	104,000	105,000	83,000	D	106,000
U.S. citizen	110,000	110,000	88,000	D	110,000
Native-born	109,000	109,000	S	D	110,000
Naturalized	113,000	113,000	D	D	D
Non-U.S. citizen	84,000	88,000	66,000	D	D
Permanent resident	88,000	88,000	D	D	D
Temporary resident	76,000	80,000	D	D	D

TABLE 14. Median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, citizenship status, and employment sector: 2008
(Dollars)

Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment			
		Business/ industry	4-year college/ university	Other educational institution	Government
Civil/architectural/sanitary engineers	89,000	89,000	74,000	D	89,000
U.S. citizen	100,000	100,000	100,000	D	99,000
Native-born	90,000	86,000	84,000	D	95,000
Naturalized	107,000	112,000	110,000	D	101,000
Non-U.S. citizen	71,000	75,000	54,000	D	62,000
Permanent resident	80,000	84,000	D	D	61,000
Temporary resident	63,000	68,000	42,000	D	D
Electrical/computer hardware engineers	115,000	117,000	97,000	D	120,000
U.S. citizen	123,000	125,000	109,000	D	120,000
Native-born	124,000	127,000	106,000	D	109,000
Naturalized	123,000	122,000	112,000	D	130,000
Non-U.S. citizen	100,000	100,000	48,000	D	D
Permanent resident	104,000	106,000	50,000	D	D
Temporary resident	96,000	98,000	43,000	D	D
Industrial engineers	100,000	98,000	D	D	D
U.S. citizen	110,000	105,000	D	D	D
Native-born	116,000	116,000	D	D	D
Naturalized	98,000	98,000	D	D	D
Non-U.S. citizen	70,000	69,000	D	D	D
Permanent resident	D	D	D	D	D
Temporary resident	D	D	D	D	D
Mechanical engineers	100,000	100,000	86,000	D	100,000
U.S. citizen	107,000	110,000	100,000	D	102,000
Native-born	109,000	110,000	91,000	D	107,000
Naturalized	105,000	107,000	101,000	D	D
Non-U.S. citizen	86,000	89,000	52,000	D	D
Permanent resident	95,000	95,000	D	D	D
Temporary resident	82,000	84,000	52,000	D	D
Postsecondary teachers-engineering	93,000	D	95,000	D	104,000
U.S. citizen	99,000	D	100,000	D	104,000
Native-born	97,000	D	98,000	D	115,000
Naturalized	100,000	D	100,000	D	D
Non-U.S. citizen	81,000	D	81,000	D	D
Permanent resident	83,000	D	83,000	D	D
Temporary resident	78,000	D	78,000	D	D
Other engineers	100,000	104,000	70,000	D	99,000
U.S. citizen	110,000	110,000	104,000	D	104,000
Native-born	106,000	109,000	104,000	D	106,000
Naturalized	109,000	110,000	117,000	D	96,000
Non-U.S. citizen	79,000	89,000	42,000	D	71,000
Permanent resident	89,000	93,000	43,000	D	68,000
Temporary resident	71,000	79,000	40,000	D	D
S&E-related occupations	95,000	124,000	84,000	59,000	105,000
U.S. citizen	94,000	126,000	83,000	59,000	104,000
Native-born	90,000	120,000	80,000	60,000	104,000
Naturalized	109,000	139,000	96,000	54,000	102,000
Non-U.S. citizen	100,000	118,000	87,000	47,000	S
Permanent resident	103,000	119,000	89,000	45,000	S
Temporary resident	85,000	96,000	59,000	D	D

TABLE 14. Median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, citizenship status, and employment sector: 2008
(Dollars)

Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment: Business/ industry	4-year college/ university	Other educational institution	Government
Health occupations	85,000	80,000	82,000	74,000	100,000
U.S. citizen	83,000	74,000	80,000	69,000	100,000
Native-born	80,000	67,000	80,000	74,000	100,000
Naturalized	99,000	98,000	93,000	D	128,000
Non-U.S. citizen	100,000	D	93,000	D	S
Permanent resident	100,000	D	99,000	D	S
Temporary resident	81,000	D	63,000	D	D
S&E managers, including health	139,000	148,000	112,000	D	110,000
U.S. citizen	140,000	150,000	114,000	D	110,000
Native-born	139,000	149,000	112,000	D	113,000
Naturalized	142,000	150,000	113,000	D	97,000
Non-U.S. citizen	115,000	124,000	77,000	D	D
Permanent resident	117,000	124,000	78,000	D	D
Temporary resident	69,000	73,000	D	D	D
S&E precollege teachers	58,000	D	D	58,000	D
U.S. citizen	59,000	D	D	59,000	D
Native-born	59,000	D	D	59,000	D
Naturalized	59,000	D	D	55,000	D
Non-U.S. citizen	45,000	D	D	45,000	D
Permanent resident	44,000	D	D	44,000	D
Temporary resident	D	D	D	D	D
S&E technicians/technologists	97,000	99,000	46,000	D	S
U.S. citizen	79,000	84,000	43,000	D	S
Native-born	58,000	74,000	49,000	D	D
Naturalized	85,000	88,000	D	D	D
Non-U.S. citizen	100,000	107,000	D	D	D
Permanent resident	101,000	110,000	D	D	D
Temporary resident	89,000	92,000	D	D	D
Other S&E-related occupations	100,000	115,000	D	D	D
U.S. citizen	89,000	74,000	D	D	D
Native-born	77,000	81,000	D	D	D
Naturalized	77,000	D	D	D	D
Non-U.S. citizen	110,000	110,000	D	D	D
Permanent resident	D	D	D	D	D
Temporary resident	D	D	D	D	D
Non-S&E occupations	94,000	105,000	80,000	93,000	92,000
U.S. citizen	93,000	100,000	80,000	93,000	93,000
Native-born	90,000	99,000	78,000	94,000	93,000
Naturalized	100,000	113,000	99,000	53,000	91,000
Non-U.S. citizen	100,000	112,000	80,000	81,000	D
Permanent resident	109,000	115,000	76,000	90,000	D
Temporary resident	99,000	99,000	87,000	D	D
Arts/humanities/related occupations	49,000	52,000	28,000	D	D
U.S. citizen	43,000	47,000	26,000	D	D
Native-born	39,000	40,000	26,000	D	66,000
Naturalized	98,000	105,000	D	D	D
Non-U.S. citizen	96,000	98,000	D	D	D
Permanent resident	96,000	98,000	D	D	D
Temporary resident	D	D	D	D	D

TABLE 14. Median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, citizenship status, and employment sector: 2008
(Dollars)

Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment: Business/ industry	4-year college/ university	Other educational institution	Government
Management-related occupations	115,000	120,000	72,000	69,000	94,000
U.S. citizen	115,000	127,000	72,000	69,000	94,000
Native-born	115,000	125,000	71,000	64,000	97,000
Naturalized	119,000	135,000	85,000	D	92,000
Non-U.S. citizen	110,000	111,000	66,000	D	56,000
Permanent resident	115,000	117,000	66,000	D	D
Temporary resident	99,000	99,000	D	D	D
Non-S&E managers	137,000	149,000	124,000	127,000	122,000
U.S. citizen	137,000	150,000	124,000	127,000	122,000
Native-born	136,000	149,000	120,000	128,000	118,000
Naturalized	148,000	155,000	151,000	87,000	119,000
Non-U.S. citizen	127,000	133,000	93,000	D	D
Permanent resident	130,000	137,000	93,000	D	D
Temporary resident	108,000	114,000	D	D	D
Non-S&E postsecondary teachers	70,000	D	70,000	55,000	D
U.S. citizen	70,000	D	70,000	S	D
Native-born	68,000	D	69,000	47,000	D
Naturalized	89,000	D	90,000	10,000	D
Non-U.S. citizen	84,000	D	78,000	D	D
Permanent resident	78,000	D	69,000	D	D
Temporary resident	87,000	D	87,000	D	D
Non-S&E precollege/other teachers	61,000	51,000	D	65,000	66,000
U.S. citizen	61,000	51,000	D	69,000	D
Native-born	69,000	51,000	D	73,000	D
Naturalized	49,000	D	D	32,000	D
Non-U.S. citizen	40,000	D	D	38,000	D
Permanent resident	D	D	D	D	D
Temporary resident	D	D	D	D	D
Sales/marketing occupations	98,000	98,000	D	D	D
U.S. citizen	95,000	96,000	D	D	D
Native-born	99,000	100,000	D	D	D
Naturalized	78,000	78,000	D	D	D
Non-U.S. citizen	108,000	108,000	D	D	D
Permanent resident	109,000	109,000	D	D	D
Temporary resident	106,000	106,000	D	D	D
Social services/related occupations	60,000	50,000	69,000	82,000	70,000
U.S. citizen	60,000	50,000	69,000	82,000	70,000
Native-born	59,000	49,000	69,000	81,000	66,000
Naturalized	70,000	70,000	D	D	D
Non-U.S. citizen	D	D	D	D	D
Permanent resident	D	D	D	D	D
Temporary resident	D	D	D	D	D
Other non-S&E occupations	58,000	57,000	48,000	83,000	70,000
U.S. citizen	57,000	56,000	48,000	83,000	70,000
Native-born	56,000	50,000	48,000	83,000	70,000
Naturalized	60,000	60,000	D	D	61,000

TABLE 14. Median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, citizenship status, and employment sector: 2008

(Dollars)

Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment			
		Business/ industry	4-year college/ university	Other educational institution	Government
Non-U.S. citizen	48,000	51,000	D	D	D
Permanent resident	42,000	45,000	D	D	D
Temporary resident	D	D	D	D	D

D = suppressed to avoid disclosure of confidential information. S = suppressed for reliability; coefficient of variation exceeds publication standards.

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. 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. Salaries are for principal job and rounded to nearest thousand.

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

TABLE 15. Median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, age, and primary/secondary work activity: 2008

(Dollars)

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, administration	Computer applications	Other
All degree levels and occupations[a]	67,000	72,000	50,000	72,000	80,000	62,000
<30	45,000	48,000	39,000	45,000	59,000	44,000
30–39	65,000	71,000	50,000	70,000	81,000	60,000
40–49	78,000	86,000	55,000	84,000	89,000	70,000
50–59	74,000	85,000	60,000	80,000	82,000	70,000
60–75	61,000	75,000	51,000	65,000	75,000	60,000
S&E occupations	80,000	80,000	58,000	83,000	83,000	70,000
<30	53,000	52,000	20,000	57,000	60,000	50,000
30–39	78,000	78,000	55,000	80,000	83,000	70,000
40–49	90,000	93,000	65,000	92,000	90,000	82,000
50–59	88,000	93,000	70,000	91,000	88,000	76,000
60–75	80,000	90,000	64,000	85,000	83,000	69,000
Science occupations	75,000	75,000	55,000	80,000	83,000	64,000
<30	46,000	44,000	20,000	50,000	60,000	45,000
30–39	74,000	73,000	51,000	78,000	83,000	62,000
40–49	85,000	90,000	63,000	88,000	90,000	75,000
50–59	82,000	87,000	67,000	85,000	86,000	69,000
60–75	75,000	88,000	60,000	80,000	82,000	61,000
Biological/agricultural/other life scientists	56,000	60,000	52,000	62,000	55,000	50,000
<30	29,000	28,000	17,000	38,000	26,000	32,000
30–39	55,000	55,000	47,000	59,000	60,000	48,000
40–49	68,000	75,000	62,000	68,000	47,000	52,000
50–59	72,000	82,000	68,000	70,000	84,000	60,000
60–75	78,000	88,000	72,000	80,000	S	60,000
Agricultural/food scientists	50,000	55,000	68,000	54,000	56,000	40,000
<30	36,000	32,000	D	S	D	31,000
30–39	48,000	50,000	D	46,000	D	S
40–49	65,000	67,000	D	66,000	D	40,000
50–59	54,000	79,000	79,000	54,000	D	41,000
60–75	S	83,000	D	S	D	21,000
Biological/medical scientists	60,000	60,000	38,000	67,000	59,000	55,000
<30	30,000	29,000	23,000	40,000	29,000	34,000
30–39	56,000	55,000	47,000	63,000	61,000	51,000
40–49	75,000	80,000	50,000	74,000	45,000	58,000
50–59	84,000	86,000	S	80,000	90,000	76,000
60–75	88,000	88,000	54,000	94,000	S	80,000
Environmental life scientists	55,000	56,000	60,000	58,000	49,000	49,000
<30	39,000	37,000	D	40,000	D	D
30–39	51,000	43,000	58,000	55,000	D	45,000
40–49	59,000	59,000	D	60,000	D	S
50–59	64,000	71,000	D	65,000	D	62,000
60–75	49,000	D	D	54,000	D	47,000
Postsecondary teachers-life/related sciences	55,000	62,000	55,000	57,000	S	45,000
<30	14,000	15,000	14,000	13,000	D	D
30–39	45,000	49,000	45,000	51,000	D	28,000
40–49	64,000	70,000	64,000	61,000	D	51,000
50–59	65,000	69,000	69,000	70,000	D	54,000
60–75	72,000	93,000	72,000	72,000	40,000	D

TABLE 15. Median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, age, and primary/secondary work activity: 2008

(Dollars)

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, administration	Computer applications	Other
Computer/mathematical scientists	82,000	84,000	57,000	85,000	84,000	72,000
<30	60,000	60,000	22,000	59,000	62,000	55,000
30–39	81,000	83,000	54,000	83,000	84,000	70,000
40–49	90,000	95,000	69,000	95,000	90,000	86,000
50–59	86,000	91,000	61,000	90,000	86,000	70,000
60–75	80,000	90,000	50,000	80,000	84,000	85,000
Computer/information scientists	83,000	85,000	67,000	86,000	84,000	72,000
<30	60,000	60,000	44,000	59,000	62,000	53,000
30–39	82,000	85,000	70,000	84,000	84,000	70,000
40–49	91,000	95,000	75,000	94,000	90,000	85,000
50–59	87,000	93,000	61,000	90,000	87,000	70,000
60–75	85,000	91,000	S	80,000	85,000	84,000
Mathematical scientists	81,000	80,000	S	85,000	85,000	79,000
<30	55,000	53,000	D	56,000	58,000	57,000
30–39	75,000	75,000	32,000	75,000	73,000	S
40–49	98,000	99,000	80,000	94,000	90,000	100,000
50–59	89,000	89,000	D	90,000	85,000	95,000
60–75	97,000	100,000	D	96,000	91,000	97,000
Postsecondary teachers-computer/mathematical sciences	50,000	59,000	50,000	51,000	41,000	48,000
<30	19,000	19,000	19,000	17,000	D	D
30–39	48,000	49,000	48,000	55,000	D	46,000
40–49	58,000	69,000	58,000	63,000	56,000	S
50–59	60,000	77,000	60,000	58,000	51,000	48,000
60–75	40,000	75,000	40,000	S	15,000	S
Physical/related scientists	68,000	70,000	56,000	73,000	65,000	60,000
<30	33,000	33,000	20,000	45,000	26,000	42,000
30–39	63,000	64,000	54,000	64,000	56,000	57,000
40–49	80,000	86,000	60,000	80,000	74,000	73,000
50–59	83,000	88,000	79,000	85,000	91,000	61,000
60–75	82,000	90,000	65,000	91,000	77,000	78,000
Chemists, except biochemists	70,000	72,000	42,000	74,000	47,000	58,000
<30	39,000	39,000	25,000	44,000	25,000	41,000
30–39	64,000	64,000	D	66,000	42,000	57,000
40–49	82,000	88,000	D	85,000	S	69,000
50–59	79,000	87,000	S	79,000	65,000	59,000
60–75	83,000	84,000	58,000	98,000	D	72,000
Earth/atmospheric/ocean scientists	70,000	72,000	88,000	75,000	70,000	67,000
<30	45,000	44,000	D	48,000	42,000	50,000
30–39	70,000	69,000	D	70,000	59,000	59,000
40–49	80,000	80,000	D	80,000	94,000	85,000
50–59	85,000	85,000	86,000	86,000	76,000	81,000
60–75	92,000	99,000	D	90,000	98,000	86,000
Physicists/astronomers	81,000	78,000	S	108,000	61,000	99,000
<30	25,000	25,000	D	71,000	25,000	S
30–39	68,000	65,000	D	92,000	50,000	81,000
40–49	110,000	110,000	D	108,000	105,000	106,000
50–59	120,000	120,000	116,000	127,000	114,000	104,000
60–75	99,000	97,000	D	124,000	67,000	D

TABLE 15. Median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, age, and primary/secondary work activity: 2008

(Dollars)

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, administration	Computer applications	Other
Postsecondary teachers-physical/related sciences	54,000	63,000	55,000	53,000	43,000	52,000
<30	20,000	21,000	20,000	20,000	D	23,000
30–39	53,000	55,000	54,000	50,000	D	53,000
40–49	60,000	72,000	60,000	52,000	D	65,000
50–59	79,000	79,000	79,000	77,000	D	64,000
60–75	69,000	86,000	68,000	88,000	D	71,000
Other physical/related scientists	65,000	69,000	90,000	66,000	74,000	51,000
<30	42,000	41,000	D	48,000	D	43,000
30–39	62,000	62,000	D	63,000	D	47,000
40–49	70,000	96,000	D	68,000	D	66,000
50–59	69,000	91,000	D	78,000	98,000	50,000
60–75	S	S	D	41,000	D	81,000
Social/related scientists	60,000	59,000	54,000	68,000	62,000	60,000
<30	32,000	29,000	17,000	39,000	30,000	38,000
30–39	60,000	60,000	51,000	70,000	78,000	61,000
40–49	70,000	72,000	58,000	73,000	65,000	70,000
50–59	73,000	72,000	69,000	76,000	66,000	70,000
60–75	64,000	80,000	60,000	70,000	49,000	58,000
Economists	91,000	83,000	41,000	102,000	65,000	117,000
<30	49,000	48,000	D	D	56,000	74,000
30–39	93,000	82,000	D	143,000	85,000	D
40–49	116,000	105,000	D	117,000	70,000	116,000
50–59	104,000	96,000	D	103,000	72,000	136,000
60–75	100,000	142,000	D	63,000	96,000	127,000
Political/related scientists	70,000	50,000	S	69,000	D	83,000
<30	43,000	40,000	D	50,000	D	D
30–39	71,000	70,000	D	S	D	D
40–49	76,000	80,000	D	70,000	D	D
50–59	S	91,000	D	81,000	D	D
60–75	97,000	123,000	D	D	D	D
Postsecondary teachers-social/related sciences	54,000	59,000	55,000	60,000	S	47,000
<30	16,000	18,000	15,000	12,000	D	D
30–39	51,000	55,000	52,000	47,000	D	56,000
40–49	60,000	61,000	59,000	65,000	D	55,000
50–59	68,000	72,000	66,000	77,000	D	D
60–75	64,000	78,000	65,000	65,000	D	36,000
Psychologists	58,000	49,000	55,000	60,000	30,000	59,000
<30	30,000	28,000	30,000	34,000	D	36,000
30–39	52,000	52,000	56,000	52,000	D	53,000
40–49	65,000	75,000	53,000	66,000	D	64,000
50–59	70,000	59,000	77,000	68,000	78,000	69,000
60–75	59,000	65,000	54,000	65,000	D	59,000
Sociologists/anthropologists	40,000	40,000	S	45,000	85,000	36,000
<30	18,000	18,000	D	24,000	D	D
30–39	42,000	47,000	D	D	D	D
40–49	57,000	57,000	D	58,000	D	D
50–59	61,000	60,000	D	59,000	D	83,000
60–75	68,000	S	D	73,000	D	S

TABLE 15. Median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, age, and primary/secondary work activity: 2008

(Dollars)

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, administration	Computer applications	Other
Other social/related scientists	73,000	69,000	S	80,000	58,000	79,000
<30	44,000	42,000	32,000	45,000	46,000	D
30–39	78,000	74,000	D	80,000	D	79,000
40–49	95,000	96,000	59,000	95,000	65,000	95,000
50–59	94,000	95,000	D	94,000	55,000	101,000
60–75	74,000	135,000	D	95,000	D	S
Engineering occupations	85,000	85,000	80,000	88,000	87,000	82,000
<30	61,000	61,000	28,000	62,000	65,000	62,000
30–39	82,000	82,000	76,000	82,000	86,000	80,000
40–49	95,000	97,000	83,000	95,000	98,000	89,000
50–59	99,000	100,000	86,000	100,000	95,000	94,000
60–75	89,000	90,000	92,000	89,000	95,000	83,000
Aerospace/aeronautical/astronautical engineers	99,000	98,000	59,000	101,000	100,000	97,000
<30	65,000	65,000	34,000	70,000	63,000	65,000
30–39	86,000	87,000	D	89,000	80,000	76,000
40–49	110,000	108,000	D	113,000	123,000	130,000
50–59	110,000	109,000	D	117,000	116,000	97,000
60–75	112,000	111,000	D	113,000	105,000	74,000
Chemical engineers	94,000	92,000	D	100,000	93,000	90,000
<30	66,000	64,000	D	70,000	59,000	70,000
30–39	83,000	82,000	D	85,000	88,000	84,000
40–49	100,000	99,000	D	107,000	93,000	99,000
50–59	113,000	118,000	D	120,000	106,000	105,000
60–75	100,000	110,000	D	99,000	D	97,000
Civil/architectural/sanitary engineers	80,000	74,000	81,000	83,000	70,000	80,000
<30	57,000	55,000	D	59,000	56,000	60,000
30–39	76,000	73,000	69,000	80,000	66,000	80,000
40–49	87,000	80,000	91,000	89,000	88,000	84,000
50–59	96,000	95,000	D	98,000	77,000	93,000
60–75	84,000	82,000	D	85,000	65,000	85,000
Electrical/computer hardware engineers	93,000	95,000	90,000	96,000	90,000	85,000
<30	65,000	67,000	D	64,000	70,000	64,000
30–39	91,000	91,000	89,000	94,000	90,000	87,000
40–49	100,000	100,000	89,000	100,000	95,000	89,000
50–59	100,000	101,000	D	100,000	100,000	93,000
60–75	93,000	97,000	D	93,000	97,000	90,000
Industrial engineers	76,000	79,000	62,000	79,000	73,000	76,000
<30	62,000	62,000	37,000	63,000	68,000	60,000
30–39	77,000	77,000	D	80,000	71,000	78,000
40–49	84,000	90,000	D	84,000	79,000	70,000
50–59	84,000	83,000	D	85,000	85,000	90,000
60–75	88,000	S	D	78,000	D	51,000
Mechanical engineers	85,000	83,000	92,000	90,000	75,000	81,000
<30	62,000	62,000	34,000	64,000	60,000	60,000
30–39	80,000	80,000	71,000	81,000	75,000	72,000
40–49	94,000	94,000	95,000	94,000	98,000	91,000
50–59	96,000	97,000	93,000	100,000	75,000	89,000
60–75	90,000	85,000	111,000	94,000	D	87,000

TABLE 15. Median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, age, and primary/secondary work activity: 2008

(Dollars)

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, administration	Computer applications	Other
Postsecondary teachers-engineering	78,000	82,000	80,000	78,000	S	27,000
<30	19,000	25,000	17,000	10,000	D	D
30–39	76,000	79,000	78,000	78,000	S	12,000
40–49	78,000	83,000	79,000	78,000	D	74,000
50–59	87,000	99,000	88,000	91,000	D	D
60–75	92,000	102,000	92,000	79,000	78,000	99,000
Other engineers	83,000	82,000	68,000	85,000	89,000	80,000
<30	60,000	58,000	59,000	60,000	47,000	62,000
30–39	80,000	78,000	73,000	80,000	94,000	79,000
40–49	95,000	97,000	83,000	94,000	97,000	85,000
50–59	97,000	99,000	69,000	99,000	79,000	95,000
60–75	74,000	69,000	73,000	75,000	S	73,000
S&E-related occupations	67,000	65,000	55,000	75,000	77,000	67,000
<30	46,000	45,000	45,000	46,000	53,000	47,000
30–39	62,000	59,000	52,000	70,000	79,000	62,000
40–49	72,000	78,000	60,000	83,000	82,000	72,000
50–59	75,000	80,000	61,000	85,000	80,000	75,000
60–75	75,000	75,000	59,000	79,000	78,000	75,000
Health occupations	65,000	60,000	60,000	72,000	55,000	66,000
<30	47,000	47,000	48,000	48,000	35,000	48,000
30–39	62,000	59,000	56,000	67,000	55,000	62,000
40–49	70,000	70,000	63,000	78,000	58,000	71,000
50–59	75,000	71,000	64,000	80,000	54,000	75,000
60–75	75,000	69,000	64,000	74,000	45,000	77,000
S&E managers, including health	110,000	120,000	79,000	110,000	115,000	100,000
<30	66,000	69,000	D	70,000	D	62,000
30–39	100,000	107,000	D	101,000	115,000	75,000
40–49	115,000	124,000	79,000	115,000	114,000	105,000
50–59	115,000	129,000	119,000	115,000	103,000	108,000
60–75	109,000	114,000	D	108,000	160,000	92,000
S&E precollege teachers	51,000	50,000	51,000	51,000	47,000	50,000
<30	40,000	42,000	40,000	40,000	44,000	41,000
30–39	48,000	46,000	48,000	50,000	42,000	50,000
40–49	55,000	52,000	55,000	54,000	36,000	60,000
50–59	60,000	60,000	60,000	59,000	69,000	57,000
60–75	48,000	42,000	49,000	48,000	D	18,000
S&E technicians/technologists	63,000	60,000	45,000	67,000	75,000	52,000
<30	41,000	39,000	21,000	45,000	59,000	38,000
30–39	62,000	59,000	D	69,000	76,000	53,000
40–49	70,000	69,000	38,000	70,000	78,000	57,000
50–59	68,000	69,000	67,000	68,000	81,000	57,000
60–75	66,000	68,000	D	65,000	83,000	59,000
Other S&E-related occupations	79,000	76,000	D	80,000	76,000	79,000
<30	62,000	60,000	D	70,000	58,000	69,000
30–39	69,000	68,000	D	70,000	86,000	67,000
40–49	86,000	87,000	D	87,000	83,000	78,000
50–59	85,000	93,000	D	84,000	D	87,000
60–75	74,000	63,000	D	77,000	D	72,000

TABLE 15. Median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, age, and primary/secondary work activity: 2008

(Dollars)

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, administration	Computer applications	Other
Non-S&E occupations	57,000	60,000	45,000	63,000	60,000	53,000
<30	40,000	42,000	34,000	40,000	40,000	38,000
30–39	57,000	64,000	43,000	62,000	73,000	55,000
40–49	70,000	73,000	46,000	79,000	84,000	63,000
50–59	64,000	65,000	52,000	71,000	59,000	60,000
60–75	49,000	42,000	40,000	50,000	40,000	50,000
Arts/humanities/related occupations	46,000	52,000	39,000	47,000	48,000	40,000
<30	34,000	36,000	16,000	34,000	29,000	31,000
30–39	50,000	65,000	D	55,000	S	34,000
40–49	51,000	52,000	45,000	54,000	81,000	45,000
50–59	53,000	69,000	S	52,000	23,000	49,000
60–75	30,000	35,000	14,000	S	D	40,000
Management-related occupations	73,000	75,000	56,000	74,000	80,000	70,000
<30	50,000	52,000	42,000	50,000	60,000	51,000
30–39	74,000	83,000	50,000	74,000	84,000	70,000
40–49	82,000	75,000	56,000	83,000	107,000	74,000
50–59	82,000	98,000	75,000	82,000	74,000	82,000
60–75	59,000	53,000	S	59,000	62,000	51,000
Non-S&E managers	110,000	116,000	79,000	111,000	118,000	110,000
<30	62,000	77,000	41,000	64,000	D	66,000
30–39	95,000	89,000	60,000	95,000	107,000	95,000
40–49	119,000	119,000	81,000	119,000	134,000	112,000
50–59	117,000	124,000	77,000	119,000	117,000	120,000
60–75	115,000	125,000	86,000	115,000	78,000	118,000
Non-S&E postsecondary teachers	49,000	55,000	50,000	52,000	26,000	49,000
<30	18,000	16,000	18,000	S	D	18,000
30–39	42,000	48,000	42,000	42,000	D	52,000
40–49	54,000	61,000	54,000	57,000	D	50,000
50–59	59,000	69,000	59,000	60,000	D	46,000
60–75	50,000	67,000	50,000	S	D	48,000
Non-S&E precollege/other teachers	43,000	45,000	43,000	46,000	50,000	40,000
<30	40,000	42,000	40,000	37,000	48,000	36,000
30–39	43,000	48,000	43,000	46,000	29,000	42,000
40–49	40,000	42,000	40,000	46,000	51,000	27,000
50–59	50,000	49,000	50,000	51,000	54,000	51,000
60–75	31,000	40,000	33,000	29,000	D	S
Sales/marketing occupations	62,000	70,000	64,000	62,000	72,000	64,000
<30	44,000	47,000	42,000	43,000	39,000	40,000
30–39	70,000	78,000	70,000	68,000	96,000	72,000
40–49	82,000	92,000	55,000	82,000	91,000	100,000
50–59	59,000	50,000	65,000	59,000	S	56,000
60–75	44,000	46,000	S	44,000	39,000	59,000
Social services/related occupations	43,000	40,000	43,000	45,000	41,000	43,000
<30	33,000	32,000	32,000	34,000	D	32,000
30–39	42,000	39,000	41,000	45,000	54,000	43,000
40–49	45,000	46,000	52,000	44,000	53,000	45,000
50–59	50,000	45,000	50,000	50,000	41,000	50,000
60–75	42,000	30,000	45,000	45,000	D	42,000

TABLE 15. Median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, age, and primary/secondary work activity: 2008

(Dollars)

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, administration	Computer applications	Other
Other non-S&E occupations	46,000	50,000	38,000	48,000	39,000	52,000
<30	35,000	39,000	23,000	34,000	31,000	38,000
30–39	50,000	57,000	31,000	50,000	44,000	57,000
40–49	59,000	64,000	49,000	60,000	48,000	70,000
50–59	50,000	51,000	48,000	51,000	39,000	53,000
60–75	34,000	26,000	22,000	36,000	22,000	38,000
Bachelor's degrees, all occupations	60,000	65,000	43,000	62,000	78,000	52,000
<30	41,000	45,000	34,000	42,000	55,000	40,000
30–39	60,000	70,000	45,000	63,000	80,000	51,000
40–49	70,000	80,000	46,000	75,000	85,000	60,000
50–59	65,000	77,000	50,000	70,000	80,000	58,000
60–75	50,000	68,000	40,000	54,000	75,000	50,000
S&E occupations	75,000	75,000	40,000	80,000	80,000	70,000
<30	52,000	50,000	19,000	56,000	59,000	50,000
30–39	75,000	75,000	59,000	79,000	80,000	70,000
40–49	87,000	90,000	65,000	89,000	86,000	80,000
50–59	85,000	86,000	58,000	90,000	85,000	74,000
60–75	80,000	82,000	53,000	82,000	83,000	74,000
Science occupations	72,000	70,000	33,000	76,000	80,000	58,000
<30	45,000	41,000	18,000	49,000	59,000	42,000
30–39	74,000	74,000	54,000	75,000	80,000	60,000
40–49	83,000	85,000	63,000	84,000	86,000	75,000
50–59	80,000	81,000	50,000	83,000	84,000	59,000
60–75	75,000	79,000	47,000	75,000	81,000	62,000
Biological/agricultural/other life scientists	44,000	41,000	22,000	50,000	44,000	40,000
<30	26,000	26,000	17,000	35,000	24,000	31,000
30–39	50,000	50,000	18,000	46,000	55,000	39,000
40–49	56,000	60,000	60,000	57,000	D	43,000
50–59	54,000	55,000	44,000	53,000	87,000	52,000
60–75	52,000	56,000	D	56,000	D	48,000
Agricultural/food scientists	42,000	42,000	50,000	46,000	D	39,000
<30	34,000	32,000	D	51,000	D	31,000
30–39	39,000	45,000	D	38,000	D	37,000
40–49	41,000	S	D	S	D	39,000
50–59	49,000	71,000	D	53,000	D	36,000
60–75	D	D	D	D	D	D
Biological/medical scientists	45,000	41,000	25,000	50,000	S	40,000
<30	26,000	26,000	23,000	40,000	23,000	31,000
30–39	54,000	54,000	D	46,000	D	39,000
40–49	56,000	64,000	D	52,000	D	49,000
50–59	54,000	49,000	D	52,000	89,000	57,000
60–75	48,000	57,000	D	56,000	D	46,000
Environmental life scientists	53,000	52,000	59,000	57,000	D	46,000
<30	39,000	D	D	38,000	D	D
30–39	44,000	36,000	D	56,000	D	D
40–49	59,000	54,000	D	60,000	D	S
50–59	65,000	79,000	D	68,000	D	72,000
60–75	46,000	D	D	58,000	D	D

TABLE 15. Median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, age, and primary/secondary work activity: 2008

(Dollars)

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, administration	Computer applications	Other
Postsecondary teachers-life/related sciences	20,000	20,000	18,000	14,000	D	24,000
<30	13,000	14,000	13,000	13,000	D	D
30–39	D	D	D	D	D	D
40–49	D	D	D	D	D	D
50–59	D	D	D	D	D	D
60–75	D	D	D	D	D	D
Computer/mathematical scientists	80,000	80,000	58,000	82,000	80,000	70,000
<30	56,000	56,000	20,000	56,000	60,000	52,000
30–39	79,000	80,000	65,000	80,000	80,000	65,000
40–49	87,000	90,000	74,000	90,000	86,000	85,000
50–59	84,000	85,000	60,000	90,000	85,000	69,000
60–75	82,000	86,000	D	79,000	83,000	83,000
Computer/information scientists	80,000	80,000	67,000	82,000	80,000	70,000
<30	56,000	57,000	43,000	56,000	60,000	52,000
30–39	80,000	81,000	71,000	80,000	80,000	66,000
40–49	87,000	90,000	75,000	91,000	86,000	85,000
50–59	85,000	85,000	59,000	90,000	85,000	70,000
60–75	84,000	88,000	D	79,000	84,000	83,000
Mathematical scientists	61,000	60,000	D	75,000	59,000	56,000
<30	53,000	49,000	D	49,000	56,000	55,000
30–39	61,000	59,000	D	66,000	58,000	S
40–49	80,000	77,000	D	90,000	D	D
50–59	67,000	67,000	D	87,000	56,000	D
60–75	86,000	66,000	D	D	D	D
Postsecondary teachers-computer/mathematical sciences	20,000	19,000	19,000	20,000	15,000	S
<30	17,000	17,000	17,000	15,000	D	D
30–39	S	D	S	D	D	D
40–49	36,000	D	36,000	D	D	D
50–59	60,000	D	60,000	D	D	D
60–75	S	D	S	D	D	D
Physical/related scientists	60,000	60,000	22,000	65,000	51,000	53,000
<30	30,000	29,000	20,000	45,000	25,000	41,000
30–39	60,000	60,000	D	64,000	41,000	53,000
40–49	70,000	69,000	D	70,000	69,000	68,000
50–59	69,000	80,000	D	74,000	69,000	55,000
60–75	75,000	75,000	D	73,000	D	74,000
Chemists, except biochemists	60,000	60,000	25,000	64,000	42,000	52,000
<30	39,000	39,000	D	43,000	25,000	41,000
30–39	60,000	60,000	D	62,000	41,000	55,000
40–49	68,000	74,000	D	75,000	D	63,000
50–59	70,000	79,000	D	65,000	D	54,000
60–75	75,000	75,000	D	73,000	D	73,000
Earth/atmospheric/ocean scientists	65,000	61,000	D	69,000	67,000	58,000
<30	42,000	39,000	D	46,000	25,000	48,000
30–39	68,000	68,000	D	69,000	D	54,000
40–49	69,000	68,000	D	69,000	D	68,000
50–59	70,000	76,000	D	86,000	69,000	58,000
60–75	67,000	64,000	D	D	D	D

TABLE 15. Median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, age, and primary/secondary work activity: 2008

(Dollars)

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, administration	Computer applications	Other
Physicists/astronomers	S	27,000	D	D	24,000	D
<30	25,000	23,000	D	D	23,000	S
30–39	S	S	D	D	D	D
40–49	D	D	D	D	D	D
50–59	D	D	D	D	D	D
60–75	D	D	D	D	D	D
Postsecondary teachers-physical/related sciences	22,000	23,000	20,000	45,000	D	22,000
<30	20,000	21,000	18,000	20,000	D	22,000
30–39	42,000	40,000	42,000	D	D	D
40–49	D	D	D	D	D	D
50–59	D	D	D	D	D	D
60–75	D	D	D	D	D	D
Other physical/related scientists	62,000	63,000	D	63,000	D	50,000
<30	40,000	38,000	D	47,000	D	41,000
30–39	61,000	58,000	D	57,000	D	47,000
40–49	70,000	63,000	D	D	D	D
50–59	63,000	89,000	D	64,000	D	49,000
60–75	D	D	D	D	D	D
Social/related scientists	46,000	40,000	16,000	59,000	56,000	52,000
<30	27,000	25,000	17,000	37,000	30,000	S
30–39	64,000	56,000	13,000	73,000	D	76,000
40–49	66,000	60,000	D	68,000	87,000	84,000
50–59	50,000	67,000	D	67,000	D	S
60–75	59,000	D	D	60,000	D	D
Economists	62,000	59,000	D	71,000	73,000	D
<30	42,000	43,000	D	D	D	D
30–39	D	D	D	D	D	D
40–49	85,000	D	D	74,000	D	D
50–59	D	D	D	D	D	D
60–75	D	D	D	D	D	D
Political/related scientists	41,000	41,000	D	D	D	D
<30	S	S	D	D	D	D
30–39	43,000	D	D	D	D	D
40–49	D	D	D	D	D	D
50–59	D	D	D	D	D	D
60–75	D	D	D	D	D	D
Postsecondary teachers-social/related sciences	15,000	17,000	13,000	11,000	D	D
<30	17,000	17,000	15,000	D	D	D
30–39	12,000	D	12,000	D	D	D
40–49	D	D	D	D	D	D
50–59	D	D	D	D	D	D
60–75	D	D	D	D	D	D
Psychologists	30,000	29,000	D	34,000	D	29,000
<30	21,000	22,000	D	S	D	S
30–39	S	D	D	D	D	D
40–49	53,000	D	D	D	D	52,000
50–59	D	D	D	D	D	D
60–75	D	D	D	D	D	D

TABLE 15. Median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, age, and primary/secondary work activity: 2008
(Dollars)

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, administration	Computer applications	Other
Sociologists/anthropologists	25,000	25,000	D	26,000	D	D
<30	18,000	17,000	D	23,000	D	D
30–39	D	D	D	D	D	D
40–49	D	D	D	D	D	D
50–59	D	D	D	D	D	D
60–75	D	D	D	D	D	D
Other social/related scientists	64,000	57,000	D	65,000	55,000	76,000
<30	43,000	41,000	D	46,000	D	D
30–39	77,000	76,000	D	80,000	D	78,000
40–49	67,000	65,000	D	67,000	D	92,000
50–59	89,000	95,000	D	83,000	D	S
60–75	59,000	D	D	61,000	D	D
Engineering occupations	80,000	80,000	69,000	85,000	85,000	80,000
<30	60,000	60,000	S	62,000	60,000	60,000
30–39	80,000	79,000	64,000	80,000	81,000	79,000
40–49	92,000	93,000	87,000	92,000	93,000	85,000
50–59	94,000	94,000	74,000	97,000	92,000	89,000
60–75	84,000	84,000	76,000	85,000	98,000	76,000
Aerospace/aeronautical/astronautical engineers	94,000	94,000	59,000	98,000	90,000	96,000
<30	65,000	65,000	D	70,000	66,000	64,000
30–39	83,000	85,000	D	83,000	60,000	78,000
40–49	105,000	105,000	D	105,000	123,000	126,000
50–59	110,000	108,000	D	101,000	110,000	90,000
60–75	108,000	101,000	D	114,000	D	D
Chemical engineers	85,000	84,000	D	95,000	88,000	83,000
<30	64,000	63,000	D	70,000	58,000	68,000
30–39	80,000	80,000	D	82,000	D	82,000
40–49	99,000	98,000	D	105,000	79,000	97,000
50–59	117,000	116,000	D	117,000	110,000	98,000
60–75	101,000	107,000	D	100,000	D	97,000
Civil/architectural/sanitary engineers	75,000	68,000	80,000	80,000	64,000	80,000
<30	55,000	54,000	D	59,000	59,000	59,000
30–39	75,000	69,000	D	77,000	63,000	79,000
40–49	85,000	76,000	85,000	87,000	59,000	84,000
50–59	92,000	82,000	D	96,000	70,000	93,000
60–75	83,000	82,000	D	83,000	D	91,000
Electrical/computer hardware engineers	87,000	87,000	77,000	89,000	86,000	80,000
<30	62,000	63,000	D	62,000	59,000	60,000
30–39	85,000	85,000	D	85,000	86,000	84,000
40–49	96,000	98,000	D	98,000	93,000	82,000
50–59	97,000	99,000	D	97,000	93,000	88,000
60–75	87,000	90,000	D	90,000	96,000	87,000
Industrial engineers	72,000	71,000	66,000	73,000	72,000	71,000
<30	62,000	59,000	D	63,000	62,000	58,000
30–39	72,000	71,000	D	73,000	70,000	75,000
40–49	79,000	84,000	D	77,000	77,000	70,000
50–59	80,000	72,000	D	84,000	D	91,000
60–75	51,000	S	D	47,000	D	D

TABLE 15. Median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, age, and primary/secondary work activity: 2008

(Dollars)

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, administration	Computer applications	Other
Mechanical engineers	81,000	80,000	94,000	88,000	71,000	77,000
<30	60,000	60,000	34,000	62,000	59,000	55,000
30–39	80,000	80,000	D	80,000	76,000	71,000
40–49	92,000	91,000	D	93,000	97,000	89,000
50–59	91,000	91,000	D	93,000	61,000	85,000
60–75	94,000	82,000	D	98,000	104,000	86,000
Postsecondary teachers-engineering	S	27,000	47,000	41,000	D	23,000
<30	19,000	27,000	S	D	D	D
30–39	D	D	D	D	D	D
40–49	44,000	D	44,000	D	D	D
50–59	D	D	D	D	D	D
60–75	S	D	S	D	D	D
Other engineers	80,000	80,000	62,000	82,000	94,000	75,000
<30	60,000	58,000	55,000	60,000	46,000	62,000
30–39	80,000	75,000	63,000	80,000	101,000	75,000
40–49	89,000	95,000	D	89,000	95,000	79,000
50–59	94,000	89,000	106,000	96,000	86,000	85,000
60–75	60,000	50,000	D	64,000	D	58,000
S&E-related occupations	58,000	58,000	50,000	65,000	75,000	55,000
<30	42,000	43,000	42,000	44,000	52,000	44,000
30–39	55,000	54,000	48,000	60,000	79,000	51,000
40–49	63,000	65,000	53,000	70,000	79,000	60,000
50–59	62,000	66,000	54,000	73,000	76,000	60,000
60–75	60,000	69,000	49,000	65,000	83,000	59,000
Health occupations	54,000	49,000	52,000	60,000	51,000	54,000
<30	43,000	45,000	45,000	44,000	35,000	45,000
30–39	50,000	49,000	50,000	54,000	55,000	50,000
40–49	58,000	51,000	56,000	63,000	54,000	57,000
50–59	60,000	53,000	59,000	65,000	46,000	60,000
60–75	56,000	65,000	53,000	59,000	35,000	56,000
S&E managers, including health	104,000	115,000	D	104,000	110,000	93,000
<30	65,000	D	D	65,000	D	D
30–39	95,000	100,000	D	95,000	101,000	72,000
40–49	110,000	118,000	D	110,000	115,000	104,000
50–59	105,000	119,000	D	106,000	102,000	100,000
60–75	108,000	120,000	D	108,000	D	100,000
S&E precollege teachers	45,000	44,000	45,000	45,000	42,000	45,000
<30	39,000	41,000	38,000	38,000	D	39,000
30–39	45,000	41,000	45,000	46,000	D	D
40–49	49,000	45,000	49,000	48,000	D	50,000
50–59	51,000	53,000	51,000	52,000	38,000	45,000
60–75	42,000	46,000	46,000	47,000	D	D
S&E technicians/technologists	62,000	57,000	43,000	65,000	75,000	50,000
<30	41,000	39,000	D	45,000	56,000	38,000
30–39	61,000	56,000	D	60,000	77,000	52,000
40–49	69,000	68,000	38,000	69,000	75,000	56,000
50–59	67,000	69,000	67,000	64,000	80,000	54,000
60–75	61,000	59,000	D	72,000	82,000	59,000

TABLE 15. Median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, age, and primary/secondary work activity: 2008

(Dollars)

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, administration	Computer applications	Other
Other S&E-related occupations	79,000	77,000	D	80,000	77,000	76,000
<30	65,000	62,000	D	79,000	59,000	72,000
30–39	71,000	67,000	D	70,000	104,000	65,000
40–49	87,000	90,000	D	88,000	78,000	77,000
50–59	79,000	80,000	D	79,000	D	84,000
60–75	73,000	61,000	D	80,000	D	70,000
Non-S&E occupations	50,000	51,000	35,000	52,000	60,000	43,000
<30	36,000	40,000	29,000	38,000	40,000	33,000
30–39	52,000	59,000	39,000	56,000	73,000	45,000
40–49	60,000	65,000	35,000	67,000	72,000	50,000
50–59	53,000	59,000	42,000	60,000	56,000	48,000
60–75	40,000	40,000	31,000	42,000	48,000	39,000
Arts/humanities/related occupations	40,000	48,000	22,000	42,000	46,000	36,000
<30	32,000	35,000	14,000	33,000	30,000	28,000
30–39	48,000	61,000	D	56,000	46,000	34,000
40–49	49,000	48,000	D	50,000	D	37,000
50–59	51,000	63,000	D	35,000	D	35,000
60–75	43,000	39,000	D	43,000	D	49,000
Management-related occupations	64,000	63,000	51,000	65,000	79,000	60,000
<30	50,000	50,000	43,000	50,000	59,000	49,000
30–39	62,000	62,000	50,000	65,000	84,000	59,000
40–49	74,000	72,000	56,000	74,000	106,000	70,000
50–59	75,000	80,000	52,000	75,000	72,000	76,000
60–75	53,000	43,000	S	53,000	66,000	53,000
Non-S&E managers	104,000	107,000	67,000	104,000	98,000	109,000
<30	59,000	58,000	D	60,000	D	64,000
30–39	92,000	84,000	49,000	92,000	90,000	81,000
40–49	111,000	111,000	77,000	111,000	125,000	110,000
50–59	112,000	118,000	67,000	113,000	104,000	110,000
60–75	106,000	115,000	D	105,000	D	121,000
Non-S&E postsecondary teachers	21,000	20,000	22,000	22,000	25,000	20,000
<30	17,000	S	18,000	10,000	D	D
30–39	S	D	S	D	D	D
40–49	S	S	S	D	D	D
50–59	40,000	D	39,000	36,000	D	D
60–75	S	D	S	D	D	D
Non-S&E precollege/other teachers	33,000	40,000	33,000	36,000	38,000	21,000
<30	35,000	40,000	34,000	30,000	D	30,000
30–39	35,000	44,000	34,000	34,000	D	33,000
40–49	30,000	32,000	29,000	38,000	D	15,000
50–59	36,000	39,000	36,000	36,000	D	31,000
60–75	30,000	D	32,000	25,000	D	D
Sales/marketing occupations	60,000	64,000	64,000	60,000	69,000	58,000
<30	42,000	43,000	43,000	42,000	38,000	40,000
30–39	64,000	70,000	70,000	63,000	73,000	66,000
40–49	74,000	80,000	55,000	73,000	88,000	79,000
50–59	55,000	44,000	76,000	55,000	S	49,000
60–75	44,000	53,000	D	43,000	S	50,000

TABLE 15. Median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, age, and primary/secondary work activity: 2008

(Dollars)

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, administration	Computer applications	Other
Social services/related occupations	35,000	35,000	34,000	36,000	41,000	34,000
<30	30,000	28,000	25,000	31,000	D	30,000
30–39	38,000	40,000	39,000	36,000	D	35,000
40–49	38,000	32,000	34,000	40,000	D	36,000
50–59	42,000	D	S	43,000	43,000	43,000
60–75	35,000	D	S	D	D	31,000
Other non-S&E occupations	40,000	44,000	33,000	40,000	35,000	40,000
<30	30,000	34,000	20,000	31,000	31,000	30,000
30–39	41,000	50,000	25,000	42,000	42,000	41,000
40–49	48,000	60,000	45,000	47,000	47,000	50,000
50–59	42,000	49,000	41,000	43,000	31,000	40,000
60–75	29,000	29,000	25,000	30,000	20,000	29,000
Master's degrees, all occupations	70,000	75,000	52,000	80,000	85,000	60,000
<30	50,000	52,000	43,000	50,000	67,000	48,000
30–39	67,000	72,000	49,000	74,000	85,000	60,000
40–49	81,000	90,000	57,000	92,000	97,000	68,000
50–59	74,000	85,000	60,000	81,000	84,000	64,000
60–75	60,000	64,000	46,000	68,000	67,000	52,000
S&E occupations	83,000	85,000	44,000	88,000	89,000	73,000
<30	59,000	57,000	19,000	61,000	70,000	53,000
30–39	80,000	80,000	42,000	85,000	89,000	72,000
40–49	95,000	97,000	48,000	99,000	99,000	89,000
50–59	90,000	98,000	59,000	91,000	92,000	75,000
60–75	72,000	84,000	40,000	81,000	78,000	60,000
Science occupations	78,000	80,000	42,000	83,000	88,000	65,000
<30	51,000	47,000	19,000	55,000	69,000	48,000
30–39	76,000	75,000	40,000	81,000	88,000	62,000
40–49	90,000	94,000	46,000	94,000	98,000	79,000
50–59	80,000	86,000	54,000	80,000	91,000	69,000
60–75	60,000	74,000	40,000	71,000	79,000	55,000
Biological/agricultural/other life scientists	56,000	58,000	45,000	61,000	53,000	59,000
<30	37,000	30,000	19,000	46,000	28,000	43,000
30–39	55,000	53,000	39,000	59,000	60,000	59,000
40–49	65,000	69,000	50,000	64,000	43,000	71,000
50–59	68,000	72,000	50,000	63,000	D	63,000
60–75	67,000	86,000	S	73,000	D	S
Agricultural/food scientists	56,000	53,000	D	62,000	D	D
<30	27,000	23,000	D	37,000	D	D
30–39	59,000	48,000	D	78,000	D	D
40–49	62,000	61,000	D	60,000	D	D
50–59	54,000	S	D	42,000	D	D
60–75	20,000	D	D	D	D	D
Biological/medical scientists	62,000	62,000	49,000	62,000	58,000	66,000
<30	41,000	37,000	D	47,000	36,000	D
30–39	58,000	56,000	46,000	62,000	60,000	59,000
40–49	66,000	73,000	50,000	63,000	43,000	75,000
50–59	80,000	84,000	D	65,000	D	76,000
60–75	88,000	88,000	D	83,000	D	70,000

TABLE 15. Median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, age, and primary/secondary work activity: 2008

(Dollars)

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, administration	Computer applications	Other
Environmental life scientists	55,000	58,000	D	58,000	D	50,000
<30	33,000	28,000	D	D	D	D
30–39	53,000	50,000	D	53,000	D	D
40–49	49,000	D	D	43,000	D	D
50–59	62,000	67,000	D	63,000	D	D
60–75	D	D	D	D	D	D
Postsecondary teachers-life/related sciences	41,000	41,000	42,000	51,000	D	44,000
<30	15,000	15,000	16,000	20,000	D	D
30–39	38,000	37,000	32,000	45,000	D	D
40–49	46,000	D	47,000	45,000	D	D
50–59	42,000	D	48,000	42,000	D	D
60–75	S	D	S	D	D	D
Computer/mathematical scientists	89,000	90,000	43,000	91,000	90,000	80,000
<30	70,000	70,000	20,000	70,000	70,000	65,000
30–39	86,000	88,000	43,000	90,000	89,000	89,000
40–49	99,000	100,000	53,000	100,000	100,000	90,000
50–59	90,000	99,000	55,000	90,000	92,000	75,000
60–75	68,000	85,000	S	60,000	79,000	80,000
Computer/information scientists	91,000	95,000	67,000	93,000	90,000	80,000
<30	70,000	72,000	D	70,000	70,000	64,000
30–39	90,000	91,000	S	90,000	90,000	92,000
40–49	100,000	100,000	66,000	100,000	100,000	90,000
50–59	92,000	100,000	71,000	91,000	93,000	75,000
60–75	87,000	87,000	D	79,000	81,000	84,000
Mathematical scientists	85,000	84,000	35,000	85,000	86,000	87,000
<30	54,000	47,000	27,000	70,000	53,000	70,000
30–39	75,000	79,000	D	85,000	74,000	S
40–49	90,000	90,000	D	91,000	87,000	D
50–59	90,000	89,000	D	78,000	85,000	D
60–75	S	S	D	D	D	D
Postsecondary teachers-computer/mathematical sciences	38,000	40,000	38,000	44,000	38,000	30,000
<30	18,000	17,000	18,000	S	D	D
30–39	39,000	35,000	39,000	49,000	D	S
40–49	47,000	54,000	47,000	62,000	D	D
50–59	45,000	S	45,000	48,000	42,000	37,000
60–75	28,000	51,000	20,000	D	D	D
Physical/related scientists	68,000	68,000	30,000	79,000	48,000	73,000
<30	28,000	25,000	21,000	49,000	26,000	46,000
30–39	53,000	56,000	S	60,000	S	58,000
40–49	80,000	86,000	44,000	86,000	66,000	85,000
50–59	83,000	79,000	S	83,000	90,000	91,000
60–75	72,000	79,000	D	92,000	D	63,000
Chemists, except biochemists	70,000	70,000	41,000	76,000	46,000	61,000
<30	29,000	28,000	D	D	D	41,000
30–39	55,000	51,000	D	58,000	D	57,000
40–49	80,000	83,000	D	76,000	D	75,000
50–59	70,000	74,000	D	61,000	D	60,000
60–75	100,000	77,000	D	104,000	D	58,000

TABLE 15. Median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, age, and primary/secondary work activity: 2008
(Dollars)

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, administration	Computer applications	Other
Earth/atmospheric/ocean scientists	84,000	81,000	D	85,000	69,000	93,000
<30	47,000	46,000	D	65,000	40,000	59,000
30–39	70,000	69,000	D	68,000	68,000	59,000
40–49	97,000	88,000	D	100,000	102,000	96,000
50–59	90,000	90,000	D	84,000	D	106,000
60–75	80,000	77,000	D	83,000	D	D
Physicists/astronomers	50,000	27,000	D	80,000	24,000	96,000
<30	22,000	21,000	D	D	22,000	D
30–39	36,000	27,000	D	S	23,000	D
40–49	76,000	75,000	D	D	D	D
50–59	124,000	D	D	D	D	D
60–75	D	D	D	D	D	D
Postsecondary teachers-physical/related sciences	21,000	20,000	22,000	44,000	42,000	20,000
<30	20,000	20,000	20,000	20,000	D	D
30–39	22,000	18,000	S	31,000	D	D
40–49	44,000	43,000	44,000	D	D	D
50–59	S	D	S	D	D	D
60–75	D	D	D	D	D	D
Other physical/related scientists	67,000	75,000	D	67,000	D	77,000
<30	D	31,000	D	D	D	D
30–39	52,000	60,000	D	50,000	D	D
40–49	68,000	94,000	D	68,000	D	78,000
50–59	99,000	90,000	D	99,000	D	D
60–75	D	D	D	D	D	D
Social/related scientists	58,000	55,000	40,000	68,000	66,000	58,000
<30	38,000	36,000	16,000	38,000	S	44,000
30–39	59,000	60,000	20,000	67,000	79,000	58,000
40–49	70,000	79,000	38,000	79,000	D	70,000
50–59	66,000	59,000	53,000	70,000	D	62,000
60–75	52,000	50,000	50,000	60,000	D	50,000
Economists	91,000	70,000	D	112,000	62,000	111,000
<30	50,000	47,000	D	60,000	59,000	81,000
30–39	93,000	70,000	D	134,000	60,000	D
40–49	112,000	91,000	D	109,000	D	107,000
50–59	S	D	D	149,000	D	D
60–75	S	D	D	39,000	D	86,000
Political/related scientists	80,000	71,000	D	74,000	D	88,000
<30	47,000	52,000	D	S	D	D
30–39	81,000	D	D	56,000	D	D
40–49	D	D	D	D	D	D
50–59	D	D	D	D	D	D
60–75	D	D	D	D	D	D
Postsecondary teachers-social/related sciences	24,000	37,000	23,000	50,000	D	19,000
<30	13,000	16,000	13,000	12,000	D	D
30–39	19,000	19,000	19,000	S	D	S
40–49	42,000	40,000	38,000	58,000	D	D
50–59	45,000	46,000	45,000	61,000	D	D
60–75	37,000	S	46,000	S	D	D
Psychologists	53,000	50,000	54,000	55,000	D	54,000

TABLE 15. Median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, age, and primary/secondary work activity: 2008

(Dollars)

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, administration	Computer applications	Other
<30	41,000	38,000	42,000	37,000	D	43,000
30–39	49,000	46,000	42,000	49,000	D	52,000
40–49	59,000	D	33,000	56,000	D	57,000
50–59	60,000	58,000	80,000	60,000	D	60,000
60–75	50,000	41,000	51,000	55,000	D	52,000
Sociologists/anthropologists	45,000	50,000	D	49,000	D	D
<30	18,000	18,000	D	18,000	D	D
30–39	54,000	D	D	D	D	D
40–49	57,000	D	D	D	D	D
50–59	54,000	52,000	D	53,000	D	D
60–75	S	S	D	D	D	D
Other social/related scientists	84,000	78,000	D	96,000	77,000	93,000
<30	43,000	44,000	D	44,000	D	43,000
30–39	76,000	68,000	D	80,000	D	78,000
40–49	101,000	D	D	102,000	D	98,000
50–59	108,000	104,000	D	104,000	D	D
60–75	100,000	D	D	100,000	D	D
Engineering occupations	92,000	92,000	69,000	95,000	90,000	90,000
<30	67,000	67,000	21,000	68,000	70,000	69,000
30–39	87,000	89,000	69,000	88,000	90,000	80,000
40–49	100,000	100,000	59,000	103,000	104,000	100,000
50–59	102,000	104,000	66,000	103,000	98,000	100,000
60–75	90,000	93,000	53,000	90,000	71,000	95,000
Aerospace/aeronautical/astronautical engineers	100,000	99,000	S	105,000	105,000	96,000
<30	65,000	65,000	61,000	75,000	60,000	75,000
30–39	89,000	89,000	D	94,000	106,000	61,000
40–49	116,000	109,000	D	120,000	D	D
50–59	115,000	104,000	D	118,000	119,000	100,000
60–75	113,000	142,000	D	101,000	D	94,000
Chemical engineers	103,000	97,000	D	108,000	93,000	101,000
<30	68,000	68,000	D	69,000	D	59,000
30–39	96,000	86,000	D	100,000	D	91,000
40–49	105,000	97,000	D	120,000	D	105,000
50–59	109,000	117,000	D	130,000	D	D
60–75	99,000	98,000	D	98,000	D	D
Civil/architectural/sanitary engineers	87,000	87,000	D	90,000	84,000	80,000
<30	60,000	61,000	D	60,000	50,000	62,000
30–39	80,000	82,000	D	82,000	76,000	79,000
40–49	94,000	92,000	D	95,000	122,000	84,000
50–59	100,000	100,000	D	101,000	D	92,000
60–75	83,000	76,000	D	90,000	D	S
Electrical/computer hardware engineers	100,000	100,000	102,000	101,000	90,000	94,000
<30	72,000	72,000	D	72,000	75,000	70,000
30–39	99,000	100,000	D	103,000	97,000	94,000
40–49	104,000	105,000	D	104,000	103,000	99,000
50–59	105,000	105,000	D	104,000	100,000	99,000
60–75	98,000	98,000	D	90,000	91,000	91,000

TABLE 15. Median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, age, and primary/secondary work activity: 2008

(Dollars)

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, administration	Computer applications	Other
Industrial engineers	90,000	94,000	D	89,000	80,000	85,000
<30	67,000	69,000	D	61,000	69,000	69,000
30–39	86,000	89,000	D	86,000	D	85,000
40–49	95,000	95,000	D	97,000	D	82,000
50–59	95,000	97,000	D	93,000	80,000	D
60–75	D	D	D	D	D	D
Mechanical engineers	90,000	88,000	65,000	93,000	77,000	83,000
<30	69,000	70,000	D	70,000	60,000	66,000
30–39	83,000	83,000	D	83,000	63,000	77,000
40–49	100,000	100,000	D	99,000	103,000	D
50–59	100,000	100,000	D	101,000	108,000	98,000
60–75	80,000	83,000	D	S	D	84,000
Postsecondary teachers-engineering	54,000	56,000	54,000	55,000	D	D
<30	18,000	19,000	18,000	D	D	D
30–39	S	58,000	S	D	D	D
40–49	59,000	56,000	59,000	D	D	D
50–59	75,000	D	75,000	D	D	D
60–75	47,000	D	47,000	D	D	D
Other engineers	86,000	83,000	68,000	87,000	67,000	97,000
<30	59,000	55,000	D	72,000	S	72,000
30–39	79,000	79,000	D	79,000	72,000	79,000
40–49	101,000	100,000	D	101,000	102,000	107,000
50–59	99,000	105,000	D	98,000	54,000	101,000
60–75	79,000	72,000	D	88,000	D	101,000
S&E-related occupations	67,000	68,000	57,000	75,000	78,000	65,000
<30	51,000	50,000	49,000	51,000	50,000	55,000
30–39	60,000	59,000	50,000	68,000	73,000	63,000
40–49	71,000	80,000	60,000	84,000	89,000	70,000
50–59	73,000	80,000	62,000	82,000	79,000	69,000
60–75	65,000	63,000	55,000	70,000	70,000	58,000
Health occupations	64,000	63,000	60,000	70,000	55,000	63,000
<30	54,000	53,000	52,000	52,000	30,000	56,000
30–39	62,000	65,000	52,000	67,000	53,000	63,000
40–49	70,000	72,000	60,000	77,000	55,000	68,000
50–59	66,000	70,000	60,000	73,000	D	65,000
60–75	55,000	33,000	54,000	60,000	D	57,000
S&E managers, including health	113,000	117,000	96,000	113,000	120,000	99,000
<30	73,000	50,000	D	77,000	D	D
30–39	114,000	109,000	D	114,000	135,000	93,000
40–49	116,000	125,000	D	117,000	112,000	105,000
50–59	115,000	119,000	D	114,000	D	116,000
60–75	106,000	108,000	D	105,000	77,000	D
S&E precollege teachers	55,000	55,000	56,000	55,000	54,000	53,000
<30	45,000	42,000	45,000	47,000	D	48,000
30–39	50,000	50,000	50,000	50,000	42,000	49,000
40–49	59,000	56,000	59,000	56,000	46,000	66,000
50–59	64,000	64,000	64,000	64,000	72,000	69,000
60–75	49,000	52,000	58,000	46,000	D	D

TABLE 15. Median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, age, and primary/secondary work activity: 2008

(Dollars)

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, administration	Computer applications	Other
S&E technicians/technologists	70,000	62,000	50,000	78,000	80,000	61,000
<30	49,000	37,000	D	S	76,000	39,000
30–39	69,000	61,000	D	76,000	73,000	61,000
40–49	80,000	76,000	D	80,000	87,000	65,000
50–59	70,000	70,000	D	92,000	82,000	59,000
60–75	70,000	81,000	D	50,000	83,000	57,000
Other S&E-related occupations	83,000	75,000	D	84,000	73,000	84,000
<30	52,000	49,000	D	57,000	D	D
30–39	67,000	65,000	D	68,000	D	68,000
40–49	86,000	83,000	D	86,000	D	75,000
50–59	98,000	99,000	D	91,000	D	99,000
60–75	78,000	72,000	D	S	D	S
Non-S&E occupations	63,000	62,000	50,000	75,000	68,000	54,000
<30	44,000	48,000	41,000	46,000	53,000	41,000
30–39	60,000	64,000	46,000	67,000	72,000	55,000
40–49	77,000	73,000	55,000	91,000	94,000	60,000
50–59	67,000	63,000	57,000	78,000	68,000	58,000
60–75	50,000	39,000	38,000	60,000	35,000	46,000
Arts/humanities/related occupations	50,000	55,000	48,000	49,000	S	47,000
<30	44,000	44,000	D	44,000	D	43,000
30–39	50,000	68,000	D	47,000	D	S
40–49	52,000	53,000	49,000	53,000	D	49,000
50–59	55,000	60,000	D	54,000	D	55,000
60–75	15,000	S	D	12,000	D	S
Management-related occupations	85,000	90,000	78,000	85,000	84,000	79,000
<30	60,000	63,000	32,000	59,000	62,000	74,000
30–39	85,000	90,000	D	85,000	74,000	101,000
40–49	98,000	98,000	52,000	99,000	107,000	77,000
50–59	86,000	100,000	79,000	86,000	74,000	89,000
60–75	59,000	S	D	59,000	D	44,000
Non-S&E managers	112,000	120,000	79,000	112,000	130,000	110,000
<30	67,000	124,000	47,000	67,000	D	62,000
30–39	100,000	99,000	67,000	100,000	116,000	101,000
40–49	122,000	128,000	D	121,000	133,000	119,000
50–59	111,000	120,000	78,000	111,000	128,000	124,000
60–75	110,000	146,000	D	111,000	D	109,000
Non-S&E postsecondary teachers	38,000	24,000	39,000	50,000	29,000	44,000
<30	17,000	16,000	18,000	33,000	D	D
30–39	28,000	20,000	29,000	42,000	D	45,000
40–49	40,000	44,000	41,000	60,000	D	D
50–59	53,000	S	56,000	60,000	D	S
60–75	35,000	S	34,000	S	D	S
Non-S&E precollege/other teachers	50,000	49,000	50,000	52,000	51,000	51,000
<30	45,000	47,000	45,000	45,000	D	43,000
30–39	49,000	50,000	49,000	50,000	D	47,000
40–49	51,000	48,000	51,000	60,000	D	51,000
50–59	56,000	49,000	56,000	58,000	55,000	58,000
60–75	30,000	41,000	33,000	S	D	D

TABLE 15. Median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, age, and primary/secondary work activity: 2008

(Dollars)

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, administration	Computer applications	Other
Sales/marketing occupations	85,000	84,000	69,000	85,000	96,000	92,000
<30	56,000	60,000	D	56,000	D	39,000
30–39	88,000	90,000	71,000	85,000	103,000	114,000
40–49	103,000	109,000	D	103,000	100,000	88,000
50–59	75,000	48,000	S	77,000	9,000	60,000
60–75	46,000	S	D	46,000	D	81,000
Social services/related occupations	47,000	40,000	49,000	50,000	41,000	47,000
<30	38,000	38,000	38,000	40,000	D	38,000
30–39	47,000	38,000	44,000	48,000	52,000	47,000
40–49	48,000	48,000	56,000	50,000	D	48,000
50–59	50,000	44,000	53,000	52,000	41,000	50,000
60–75	44,000	28,000	47,000	48,000	D	46,000
Other non-S&E occupations	45,000	49,000	41,000	50,000	48,000	41,000
<30	38,000	43,000	26,000	38,000	30,000	36,000
30–39	49,000	55,000	39,000	56,000	42,000	57,000
40–49	58,000	50,000	62,000	64,000	47,000	50,000
50–59	49,000	50,000	47,000	51,000	63,000	39,000
60–75	22,000	19,000	12,000	33,000	S	19,000
Doctoral degrees, all occupations	90,000	92,000	72,000	100,000	98,000	80,000
<30	62,000	62,000	57,000	70,000	79,000	53,000
30–39	72,000	74,000	65,000	86,000	87,000	72,000
40–49	93,000	96,000	71,000	100,000	100,000	83,000
50–59	100,000	105,000	77,000	107,000	104,000	92,000
60–75	91,000	100,000	80,000	100,000	95,000	75,000
S&E occupations	86,000	90,000	73,000	95,000	96,000	80,000
<30	65,000	65,000	58,000	69,000	80,000	72,000
30–39	72,000	74,000	63,000	80,000	87,000	70,000
40–49	90,000	95,000	70,000	96,000	100,000	76,000
50–59	99,000	103,000	81,000	100,000	105,000	87,000
60–75	92,000	100,000	85,000	99,000	95,000	79,000
Science occupations	81,000	85,000	70,000	90,000	95,000	76,000
<30	55,000	54,000	56,000	68,000	73,000	67,000
30–39	68,000	68,000	60,000	75,000	84,000	68,000
40–49	85,000	90,000	70,000	90,000	99,000	74,000
50–59	94,000	100,000	80,000	100,000	104,000	86,000
60–75	90,000	100,000	82,000	98,000	95,000	79,000
Biological/agricultural/other life scientists	80,000	80,000	70,000	90,000	70,000	76,000
<30	39,000	39,000	D	S	D	35,000
30–39	58,000	57,000	57,000	65,000	54,000	60,000
40–49	85,000	87,000	69,000	90,000	84,000	72,000
50–59	98,000	101,000	80,000	102,000	106,000	92,000
60–75	95,000	100,000	85,000	99,000	70,000	91,000
Agricultural/food scientists	85,000	85,000	76,000	91,000	82,000	72,000
<30	72,000	72,000	D	D	D	D
30–39	67,000	67,000	D	74,000	D	D
40–49	84,000	84,000	D	90,000	D	70,000
50–59	94,000	94,000	D	95,000	D	72,000
60–75	85,000	99,000	D	57,000	D	81,000

TABLE 15. Median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, age, and primary/secondary work activity: 2008

(Dollars)

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, administration	Computer applications	Other
Biological/medical scientists	81,000	80,000	95,000	95,000	70,000	80,000
<30	39,000	39,000	D	38,000	D	35,000
30–39	58,000	55,000	49,000	66,000	54,000	65,000
40–49	91,000	92,000	91,000	95,000	85,000	78,000
50–59	109,000	110,000	117,000	111,000	115,000	99,000
60–75	100,000	100,000	93,000	107,000	S	100,000
Environmental life scientists	81,000	82,000	D	84,000	D	54,000
<30	D	D	D	D	D	D
30–39	45,000	48,000	D	63,000	D	D
40–49	73,000	78,000	D	82,000	D	D
50–59	94,000	88,000	D	104,000	D	D
60–75	81,000	81,000	D	D	D	D
Postsecondary teachers-life/related sciences	70,000	75,000	70,000	70,000	66,000	60,000
<30	D	D	D	D	D	D
30–39	56,000	60,000	57,000	52,000	D	50,000
40–49	70,000	75,000	68,000	66,000	D	54,000
50–59	78,000	82,000	77,000	76,000	D	70,000
60–75	84,000	96,000	84,000	80,000	D	71,000
Computer/mathematical scientists	95,000	100,000	75,000	100,000	100,000	91,000
<30	79,000	79,000	53,000	D	99,000	D
30–39	90,000	90,000	66,000	92,000	99,000	91,000
40–49	98,000	100,000	76,000	103,000	99,000	82,000
50–59	100,000	102,000	81,000	102,000	104,000	87,000
60–75	98,000	102,000	84,000	99,000	95,000	96,000
Computer/information scientists	104,000	107,000	117,000	107,000	101,000	89,000
<30	99,000	80,000	D	D	106,000	D
30–39	100,000	103,000	D	92,000	105,000	88,000
40–49	104,000	108,000	105,000	109,000	99,000	94,000
50–59	113,000	116,000	D	116,000	113,000	101,000
60–75	105,000	115,000	121,000	112,000	95,000	68,000
Mathematical scientists	100,000	100,000	85,000	100,000	96,000	98,000
<30	87,000	88,000	D	D	83,000	D
30–39	92,000	91,000	D	100,000	92,000	89,000
40–49	115,000	113,000	D	125,000	116,000	104,000
50–59	101,000	104,000	137,000	101,000	90,000	97,000
60–75	98,000	101,000	D	98,000	100,000	97,000
Postsecondary teachers-computer/mathematical sciences	74,000	80,000	74,000	70,000	D	65,000
<30	53,000	54,000	53,000	D	D	D
30–39	66,000	71,000	66,000	58,000	D	49,000
40–49	75,000	82,000	75,000	69,000	74,000	70,000
50–59	81,000	91,000	81,000	78,000	70,000	65,000
60–75	83,000	98,000	84,000	84,000	74,000	60,000
Physical/related scientists	87,000	91,000	72,000	100,000	78,000	83,000
<30	54,000	54,000	44,000	59,000	53,000	D
30–39	71,000	74,000	60,000	83,000	63,000	69,000
40–49	91,000	100,000	71,000	100,000	104,000	83,000
50–59	100,000	106,000	82,000	108,000	104,000	86,000
60–75	91,000	99,000	80,000	105,000	72,000	94,000

TABLE 15. Median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, age, and primary/secondary work activity: 2008

(Dollars)

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, administration	Computer applications	Other
Chemists, except biochemists	99,000	100,000	69,000	108,000	69,000	88,000
<30	60,000	57,000	D	74,000	D	D
30–39	91,000	92,000	D	103,000	67,000	71,000
40–49	106,000	108,000	D	109,000	D	89,000
50–59	114,000	115,000	125,000	117,000	70,000	87,000
60–75	92,000	99,000	58,000	100,000	D	94,000
Earth/atmospheric/ocean scientists	90,000	90,000	79,000	99,000	79,000	81,000
<30	56,000	56,000	D	D	D	D
30–39	69,000	70,000	D	68,000	63,000	68,000
40–49	91,000	90,000	D	96,000	89,000	86,000
50–59	104,000	109,000	69,000	103,000	106,000	D
60–75	109,000	109,000	D	120,000	95,000	83,000
Physicists/astronomers	103,000	101,000	D	123,000	81,000	97,000
<30	49,000	49,000	D	D	D	D
30–39	73,000	73,000	D	107,000	61,000	76,000
40–49	117,000	117,000	D	123,000	117,000	D
50–59	120,000	120,000	D	129,000	114,000	131,000
60–75	105,000	101,000	D	129,000	66,000	97,000
Postsecondary teachers-physical/related sciences	71,000	77,000	71,000	68,000	59,000	64,000
<30	44,000	D	44,000	D	D	D
30–39	60,000	63,000	60,000	59,000	D	55,000
40–49	71,000	76,000	71,000	67,000	D	65,000
50–59	81,000	88,000	81,000	76,000	D	64,000
60–75	81,000	97,000	82,000	88,000	D	89,000
Other physical/related scientists	90,000	90,000	90,000	90,000	97,000	90,000
<30	86,000	86,000	D	D	D	D
30–39	84,000	88,000	D	88,000	D	71,000
40–49	104,000	105,000	D	100,000	D	D
50–59	108,000	108,000	D	121,000	D	119,000
60–75	S	D	D	D	D	102,000
Social/related scientists	73,000	76,000	70,000	80,000	82,000	74,000
<30	63,000	64,000	61,000	D	D	72,000
30–39	62,000	63,000	59,000	71,000	68,000	63,000
40–49	72,000	75,000	66,000	79,000	82,000	70,000
50–59	82,000	85,000	76,000	90,000	85,000	84,000
60–75	80,000	99,000	80,000	85,000	95,000	72,000
Economists	119,000	118,000	89,000	138,000	96,000	121,000
<30	79,000	D	D	D	D	D
30–39	98,000	95,000	D	119,000	89,000	96,000
40–49	134,000	125,000	D	137,000	96,000	139,000
50–59	137,000	138,000	D	149,000	D	138,000
60–75	117,000	134,000	D	129,000	96,000	S
Political/related scientists	96,000	96,000	S	103,000	D	117,000
<30	D	D	D	D	D	D
30–39	71,000	64,000	D	89,000	D	D
40–49	98,000	98,000	D	81,000	D	D
50–59	132,000	134,000	D	D	D	D
60–75	123,000	123,000	D	D	D	D

TABLE 15. Median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, age, and primary/secondary work activity: 2008

(Dollars)

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, administration	Computer applications	Other
Postsecondary teachers-social/related sciences	70,000	70,000	70,000	73,000	91,000	69,000
<30	61,000	63,000	61,000	D	D	D
30–39	59,000	60,000	59,000	59,000	D	56,000
40–49	66,000	68,000	65,000	70,000	D	60,000
50–59	78,000	80,000	76,000	84,000	D	74,000
60–75	81,000	95,000	80,000	83,000	D	70,000
Psychologists	74,000	79,000	73,000	78,000	67,000	74,000
<30	69,000	S	D	D	D	72,000
30–39	63,000	65,000	S	70,000	58,000	60,000
40–49	75,000	84,000	70,000	75,000	D	70,000
50–59	84,000	96,000	82,000	84,000	78,000	83,000
60–75	75,000	102,000	77,000	81,000	D	72,000
Sociologists/anthropologists	76,000	74,000	39,000	84,000	71,000	76,000
<30	D	D	D	D	D	D
30–39	62,000	61,000	D	63,000	D	D
40–49	70,000	76,000	D	66,000	D	D
50–59	98,000	92,000	D	105,000	D	136,000
60–75	72,000	91,000	D	81,000	D	28,000
Other social/related scientists	81,000	83,000	51,000	93,000	83,000	81,000
<30	D	D	D	D	D	D
30–39	74,000	80,000	D	91,000	D	63,000
40–49	83,000	83,000	D	89,000	74,000	74,000
50–59	80,000	81,000	D	93,000	D	96,000
60–75	83,000	88,000	D	77,000	D	81,000
Engineering occupations	101,000	101,000	94,000	113,000	99,000	100,000
<30	87,000	87,000	78,000	68,000	98,000	86,000
30–39	92,000	92,000	81,000	100,000	92,000	96,000
40–49	110,000	110,000	95,000	118,000	109,000	110,000
50–59	120,000	120,000	100,000	120,000	119,000	100,000
60–75	107,000	109,000	100,000	115,000	112,000	93,000
Aerospace/aeronautical/astronautical engineers	115,000	113,000	D	120,000	111,000	108,000
<30	86,000	86,000	D	D	D	D
30–39	99,000	99,000	D	102,000	94,000	D
40–49	109,000	109,000	D	D	103,000	D
50–59	129,000	129,000	D	126,000	130,000	D
60–75	118,000	D	D	122,000	130,000	D
Chemical engineers	104,000	104,000	D	113,000	102,000	100,000
<30	76,000	76,000	D	D	D	D
30–39	99,000	98,000	D	101,000	D	96,000
40–49	112,000	110,000	D	115,000	109,000	114,000
50–59	113,000	113,000	D	118,000	D	96,000
60–75	109,000	112,000	D	86,000	D	D
Civil/architectural/sanitary engineers	89,000	86,000	D	99,000	75,000	83,000
<30	65,000	65,000	D	D	D	D
30–39	71,000	70,000	D	72,000	D	74,000
40–49	99,000	90,000	D	106,000	D	96,000
50–59	99,000	105,000	D	85,000	D	79,000
60–75	104,000	100,000	D	111,000	D	103,000

TABLE 15. Median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, age, and primary/secondary work activity: 2008
(Dollars)

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, administration	Computer applications	Other
Electrical/computer hardware engineers	115,000	117,000	D	125,000	104,000	104,000
<30	99,000	99,000	D	D	98,000	D
30–39	102,000	101,000	D	119,000	95,000	104,000
40–49	128,000	128,000	D	130,000	115,000	108,000
50–59	131,000	133,000	D	136,000	135,000	115,000
60–75	108,000	115,000	D	D	123,000	D
Industrial engineers	100,000	99,000	D	130,000	D	D
<30	D	D	D	D	D	D
30–39	99,000	99,000	D	D	D	D
40–49	106,000	D	D	D	D	D
50–59	97,000	96,000	D	146,000	D	D
60–75	136,000	137,000	D	D	D	D
Mechanical engineers	100,000	100,000	D	118,000	90,000	102,000
<30	84,000	84,000	D	D	D	D
30–39	89,000	90,000	D	99,000	71,000	D
40–49	104,000	104,000	D	117,000	93,000	117,000
50–59	118,000	118,000	D	137,000	112,000	D
60–75	101,000	102,000	D	S	D	74,000
Postsecondary teachers-engineering	93,000	95,000	94,000	97,000	70,000	80,000
<30	78,000	78,000	78,000	D	D	D
30–39	81,000	82,000	81,000	77,000	D	D
40–49	93,000	95,000	95,000	92,000	D	84,000
50–59	100,000	100,000	100,000	119,000	D	70,000
60–75	103,000	106,000	101,000	115,000	78,000	99,000
Other engineers	100,000	100,000	D	109,000	80,000	101,000
<30	81,000	80,000	D	64,000	D	D
30–39	85,000	85,000	D	99,000	67,000	103,000
40–49	115,000	113,000	D	120,000	98,000	113,000
50–59	120,000	120,000	119,000	120,000	79,000	103,000
60–75	100,000	105,000	D	98,000	67,000	82,000
S&E-related occupations	95,000	100,000	72,000	115,000	99,000	85,000
<30	53,000	51,000	56,000	61,000	D	52,000
30–39	72,000	74,000	71,000	89,000	92,000	70,000
40–49	100,000	100,000	75,000	113,000	99,000	99,000
50–59	106,000	111,000	75,000	137,000	80,000	109,000
60–75	98,000	100,000	72,000	104,000	110,000	100,000
Health occupations	85,000	84,000	83,000	92,000	68,000	84,000
<30	52,000	51,000	60,000	D	D	52,000
30–39	66,000	65,000	71,000	75,000	D	64,000
40–49	85,000	92,000	82,000	85,000	D	89,000
50–59	96,000	87,000	80,000	120,000	64,000	100,000
60–75	99,000	100,000	96,000	86,000	D	100,000
S&E managers, including health	139,000	139,000	80,000	138,000	115,000	139,000
<30	D	D	D	D	D	D
30–39	104,000	104,000	D	104,000	85,000	85,000
40–49	139,000	139,000	D	139,000	131,000	134,000
50–59	148,000	149,000	D	146,000	D	140,000
60–75	139,000	138,000	D	139,000	110,000	149,000

TABLE 15. Median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, age, and primary/secondary work activity: 2008

(Dollars)

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, administration	Computer applications	Other
S&E precollege teachers	58,000	42,000	58,000	54,000	83,000	71,000
<30	D	D	D	D	D	D
30–39	70,000	D	70,000	50,000	D	D
40–49	59,000	39,000	59,000	69,000	D	38,000
50–59	63,000	D	62,000	44,000	D	52,000
60–75	41,000	D	41,000	55,000	D	D
S&E technicians/technologists	97,000	96,000	D	116,000	86,000	D
<30	D	D	D	D	D	D
30–39	87,000	87,000	D	D	99,000	84,000
40–49	99,000	99,000	D	D	93,000	D
50–59	94,000	61,000	D	124,000	79,000	D
60–75	80,000	80,000	D	S	D	D
Other S&E-related occupations	100,000	88,000	D	104,000	75,000	71,000
<30	D	D	D	D	D	D
30–39	D	D	D	D	D	D
40–49	109,000	D	D	D	D	D
50–59	D	D	D	D	D	D
60–75	D	D	D	D	D	D
Non-S&E occupations	94,000	100,000	70,000	105,000	107,000	79,000
<30	70,000	69,000	50,000	81,000	D	81,000
30–39	79,000	78,000	65,000	103,000	101,000	75,000
40–49	99,000	95,000	70,000	110,000	107,000	92,000
50–59	99,000	119,000	73,000	105,000	S	99,000
60–75	84,000	90,000	70,000	100,000	91,000	55,000
Arts/humanities/related occupations	49,000	50,000	D	49,000	54,000	42,000
<30	D	D	D	D	D	D
30–39	50,000	25,000	43,000	67,000	D	D
40–49	57,000	64,000	D	67,000	D	61,000
50–59	69,000	108,000	D	65,000	D	44,000
60–75	S	S	D	S	D	37,000
Management-related occupations	115,000	135,000	98,000	112,000	100,000	120,000
<30	91,000	95,000	D	68,000	D	66,000
30–39	120,000	145,000	80,000	145,000	115,000	98,000
40–49	118,000	120,000	D	118,000	98,000	121,000
50–59	115,000	D	96,000	111,000	100,000	D
60–75	84,000	89,000	S	85,000	D	73,000
Non-S&E managers	137,000	145,000	98,000	137,000	131,000	120,000
<30	D	D	D	D	D	D
30–39	105,000	98,000	D	107,000	107,000	83,000
40–49	147,000	141,000	D	147,000	155,000	126,000
50–59	130,000	148,000	98,000	126,000	S	108,000
60–75	145,000	156,000	81,000	145,000	109,000	112,000
Non-S&E postsecondary teachers	70,000	75,000	70,000	69,000	D	54,000
<30	69,000	D	58,000	D	D	D
30–39	64,000	65,000	64,000	70,000	D	53,000
40–49	70,000	73,000	70,000	62,000	D	52,000
50–59	73,000	89,000	74,000	66,000	D	59,000
60–75	74,000	92,000	74,000	83,000	D	49,000

TABLE 15. Median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, age, and primary/secondary work activity: 2008

(Dollars)

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, administration	Computer applications	Other
Non-S&E precollege/other teachers	61,000	53,000	61,000	78,000	D	S
<30	D	D	D	D	D	D
30–39	46,000	D	45,000	S	D	D
40–49	D	D	D	D	D	D
50–59	70,000	73,000	65,000	61,000	D	62,000
60–75	53,000	48,000	54,000	D	D	D
Sales/marketing occupations	98,000	98,000	71,000	99,000	108,000	124,000
<30	91,000	D	D	D	D	D
30–39	100,000	94,000	D	109,000	112,000	88,000
40–49	90,000	100,000	D	88,000	D	98,000
50–59	119,000	86,000	D	120,000	D	164,000
60–75	79,000	76,000	D	79,000	D	62,000
Social services/related occupations	60,000	75,000	68,000	69,000	D	50,000
<30	D	D	D	D	D	D
30–39	68,000	D	D	68,000	D	51,000
40–49	48,000	D	43,000	59,000	D	48,000
50–59	74,000	D	74,000	72,000	D	74,000
60–75	38,000	D	D	38,000	D	36,000
Other non-S&E occupations	58,000	54,000	48,000	70,000	61,000	69,000
<30	74,000	D	D	D	D	64,000
30–39	70,000	68,000	22,000	70,000	D	70,000
40–49	80,000	S	82,000	84,000	D	101,000
50–59	48,000	61,000	48,000	54,000	D	S
60–75	37,000	22,000	15,000	58,000	D	S

D = suppressed to avoid disclosure of confidential information. S = suppressed for reliability; coefficient of variation exceeds publication standards.

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. Salaries are for principal job and rounded to nearest thousand.

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

TABLE 16. Median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, ethnicity, race, and years since highest degree: 2008
(Dollars)

Level of highest degree, occupation, ethnicity, and race[a]	Employed scientists and engineers	Years since highest degree							
		<5 years	5–9 years	10–14 years	15–19 years	20–24 years	25–29 years	30–34 years	35+ years
All degrees levels and occupations[b]	67,000	50,000	62,000	73,000	75,000	80,000	80,000	75,000	64,000
Hispanic or Latino	60,000	47,000	58,000	68,000	70,000	69,000	62,000	69,000	60,000
Not Hispanic or Latino									
American Indian or Alaska Native	57,000	53,000	59,000	71,000	55,000	65,000	39,000	53,000	S
Asian	75,000	60,000	75,000	89,000	85,000	80,000	80,000	70,000	69,000
Black or African American	60,000	46,000	60,000	64,000	67,000	70,000	62,000	64,000	50,000
White	67,000	48,000	60,000	72,000	74,000	80,000	80,000	75,000	65,000
Other	59,000	48,000	56,000	70,000	68,000	75,000	64,000	54,000	57,000
S&E occupations	80,000	57,000	73,000	84,000	89,000	92,000	91,000	86,000	84,000
Hispanic or Latino	70,000	52,000	67,000	79,000	80,000	88,000	79,000	93,000	67,000
Not Hispanic or Latino									
American Indian or Alaska Native	66,000	53,000	75,000	81,000	60,000	63,000	77,000	D	D
Asian	82,000	68,000	79,000	90,000	100,000	95,000	96,000	83,000	87,000
Black or African American	74,000	56,000	73,000	79,000	82,000	77,000	81,000	81,000	77,000
White	80,000	55,000	71,000	82,000	87,000	93,000	92,000	87,000	85,000
Other	70,000	56,000	65,000	84,000	77,000	84,000	70,000	92,000	54,000
Science occupations	75,000	52,000	70,000	80,000	85,000	90,000	83,000	80,000	80,000
Hispanic or Latino	65,000	49,000	62,000	75,000	75,000	81,000	77,000	70,000	72,000
Not Hispanic or Latino									
American Indian or Alaska Native	65,000	48,000	75,000	82,000	59,000	57,000	D	D	D
Asian	80,000	65,000	78,000	90,000	100,000	90,000	91,000	69,000	81,000
Black or African American	70,000	53,000	70,000	75,000	77,000	77,000	71,000	78,000	78,000
White	75,000	48,000	66,000	80,000	84,000	90,000	85,000	80,000	79,000
Other	62,000	50,000	55,000	81,000	64,000	79,000	51,000	100,000	57,000
Biological/agricultural/other life scientists	56,000	40,000	51,000	68,000	78,000	70,000	74,000	66,000	65,000
Hispanic or Latino	58,000	45,000	55,000	52,000	81,000	73,000	77,000	58,000	92,000
Not Hispanic or Latino									
American Indian or Alaska Native	49,000	D	51,000	D	D	D	D	D	D
Asian	60,000	41,000	62,000	85,000	85,000	47,000	79,000	60,000	69,000
Black or African American	64,000	49,000	60,000	72,000	D	65,000	S	D	40,000
White	55,000	39,000	50,000	62,000	73,000	75,000	73,000	68,000	64,000
Other	57,000	41,000	58,000	62,000	D	S	73,000	110,000	D
Agricultural/food scientists	50,000	38,000	47,000	49,000	74,000	67,000	54,000	60,000	42,000
Hispanic or Latino	82,000	S	50,000	D	90,000	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	58,000	37,000	64,000	78,000	D	D	53,000	D	D
Black or African American	89,000	37,000	40,000	92,000	D	D	D	D	D
White	46,000	36,000	46,000	47,000	49,000	67,000	42,000	S	41,000
Other	52,000	D	D	D	D	D	D	D	D
Biological/medical scientists	60,000	41,000	56,000	74,000	83,000	80,000	77,000	66,000	69,000
Hispanic or Latino	50,000	46,000	56,000	50,000	89,000	S	77,000	58,000	92,000
Not Hispanic or Latino									
American Indian or Alaska Native	48,000	D	51,000	D	D	D	D	D	D
Asian	61,000	43,000	64,000	85,000	84,000	65,000	82,000	59,000	57,000
Black or African American	70,000	50,000	58,000	73,000	D	82,000	S	D	D
White	59,000	40,000	50,000	68,000	83,000	88,000	77,000	69,000	70,000
Other	56,000	38,000	63,000	D	D	D	D	D	D

TABLE 16. Median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, ethnicity, race, and years since highest degree: 2008
(Dollars)

Level of highest degree, occupation, ethnicity, and race[a]	Employed scientists and engineers	Years since highest degree							
		<5 years	5–9 years	10–14 years	15–19 years	20–24 years	25–29 years	30–34 years	35+ years
Environmental life scientists	55,000	42,000	50,000	52,000	D	60,000	80,000	51,000	65,000
Hispanic or Latino	62,000	D	23,000	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	D	D	D	D	D	D	D	D	D
Black or African American	65,000	D	D	D	D	D	D	D	D
White	55,000	44,000	50,000	52,000	D	60,000	80,000	50,000	62,000
Other	50,000	D	D	D	D	D	D	D	D
Postsecondary teachers-life/related sciences	55,000	17,000	46,000	55,000	63,000	65,000	74,000	80,000	71,000
Hispanic or Latino	64,000	20,000	S	67,000	64,000	72,000	D	S	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	S	14,000	D	D	85,000	39,000	D	D	58,000
Black or African American	47,000	S	48,000	38,000	D	60,000	D	D	D
White	54,000	16,000	47,000	51,000	55,000	71,000	74,000	80,000	80,000
Other	62,000	S	D	D	D	D	70,000	D	D
Computer/mathematical scientists	82,000	64,000	78,000	86,000	90,000	94,000	88,000	81,000	85,000
Hispanic or Latino	75,000	60,000	69,000	80,000	70,000	100,000	70,000	69,000	66,000
Not Hispanic or Latino									
American Indian or Alaska Native	75,000	D	74,000	82,000	D	D	D	D	D
Asian	86,000	71,000	84,000	92,000	100,000	97,000	93,000	70,000	88,000
Black or African American	75,000	56,000	74,000	79,000	78,000	79,000	63,000	80,000	85,000
White	82,000	59,000	77,000	85,000	87,000	95,000	89,000	83,000	85,000
Other	73,000	59,000	61,000	90,000	63,000	77,000	70,000	102,000	59,000
Computer/information scientists	83,000	65,000	79,000	87,000	90,000	95,000	88,000	83,000	88,000
Hispanic or Latino	75,000	60,000	69,000	80,000	68,000	100,000	75,000	68,000	68,000
Not Hispanic or Latino									
American Indian or Alaska Native	81,000	D	D	82,000	D	D	D	D	D
Asian	88,000	72,000	84,000	92,000	101,000	97,000	94,000	75,000	89,000
Black or African American	75,000	57,000	74,000	79,000	73,000	79,000	73,000	81,000	84,000
White	84,000	60,000	78,000	85,000	87,000	95,000	88,000	83,000	88,000
Other	74,000	59,000	62,000	90,000	62,000	77,000	70,000	89,000	59,000
Mathematical scientists	81,000	70,000	75,000	87,000	85,000	88,000	107,000	70,000	77,000
Hispanic or Latino	70,000	62,000	59,000	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	78,000	74,000	76,000	107,000	94,000	84,000	55,000	61,000	48,000
Black or African American	82,000	68,000	73,000	86,000	79,000	D	D	D	D
White	85,000	66,000	79,000	79,000	87,000	89,000	109,000	81,000	S
Other	60,000	58,000	D	D	D	D	D	D	D
Postsecondary teachers-computer/ mathematical sciences	50,000	24,000	54,000	60,000	65,000	48,000	50,000	56,000	30,000
Hispanic or Latino	36,000	34,000	S	S	68,000	45,000	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	39,000	D	D	D	D	D	D	D	D
Asian	62,000	45,000	S	68,000	77,000	99,000	D	62,000	67,000
Black or African American	49,000	48,000	54,000	D	D	D	D	D	D
White	48,000	23,000	55,000	60,000	65,000	43,000	54,000	53,000	29,000
Other	55,000	D	D	D	D	D	D	D	D

TABLE 16. Median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, ethnicity, race, and years since highest degree: 2008
(Dollars)

Level of highest degree, occupation, ethnicity, and race[a]	Employed scientists and engineers	Years since highest degree							
		<5 years	5–9 years	10–14 years	15–19 years	20–24 years	25–29 years	30–34 years	35+ years
Physical/related scientists	68,000	41,000	60,000	70,000	80,000	80,000	85,000	86,000	79,000
Hispanic or Latino	60,000	41,000	60,000	54,000	72,000	S	91,000	85,000	71,000
Not Hispanic or Latino									
American Indian or Alaska Native	66,000	S	58,000	D	D	D	D	D	D
Asian	72,000	43,000	71,000	61,000	86,000	82,000	62,000	71,000	81,000
Black or African American	52,000	40,000	61,000	78,000	D	D	68,000	76,000	37,000
White	70,000	42,000	55,000	72,000	83,000	80,000	88,000	89,000	74,000
Other	49,000	37,000	53,000	D	D	D	S	51,000	D
Chemists, except biochemists	70,000	42,000	63,000	70,000	80,000	82,000	74,000	82,000	77,000
Hispanic or Latino	56,000	33,000	46,000	43,000	D	D	90,000	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	72,000	42,000	71,000	59,000	80,000	79,000	S	66,000	81,000
Black or African American	52,000	40,000	54,000	69,000	D	D	D	66,000	D
White	70,000	42,000	55,000	74,000	85,000	88,000	74,000	85,000	74,000
Other	50,000	S	47,000	D	D	D	D	D	D
Earth/atmospheric/ocean scientists	70,000	46,000	62,000	75,000	85,000	75,000	86,000	90,000	60,000
Hispanic or Latino	67,000	43,000	D	81,000	60,000	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	62,000	D	D	D	D	D	D	D	D
Asian	68,000	60,000	59,000	87,000	D	79,000	D	D	D
Black or African American	46,000	38,000	D	D	D	D	D	D	D
White	71,000	46,000	66,000	70,000	86,000	74,000	86,000	90,000	58,000
Other	52,000	37,000	50,000	D	D	D	D	D	D
Physicists/astronomers	81,000	42,000	75,000	106,000	114,000	120,000	110,000	134,000	89,000
Hispanic or Latino	56,000	37,000	42,000	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	74,000	44,000	89,000	D	130,000	105,000	98,000	D	D
Black or African American	S	16,000	D	D	D	D	D	D	D
White	89,000	45,000	73,000	107,000	114,000	121,000	114,000	133,000	99,000
Other	22,000	19,000	D	D	D	D	D	D	D
Postsecondary teachers-physical/ related sciences	54,000	22,000	52,000	61,000	68,000	76,000	81,000	80,000	64,000
Hispanic or Latino	51,000	22,000	59,000	63,000	79,000	72,000	62,000	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	56,000	19,000	59,000	D	82,000	82,000	84,000	113,000	78,000
Black or African American	54,000	29,000	55,000	68,000	D	D	D	81,000	D
White	55,000	23,000	51,000	63,000	65,000	76,000	83,000	79,000	61,000
Other	S	S	D	D	47,000	D	D	D	D
Other physical/related scientists	65,000	49,000	49,000	67,000	63,000	69,000	86,000	61,000	91,000
Hispanic or Latino	62,000	42,000	64,000	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	63,000	S	D	D	D	D	D	D	D
Black or African American	75,000	D	56,000	D	D	D	D	D	D
White	66,000	49,000	44,000	66,000	63,000	68,000	92,000	62,000	96,000
Other	46,000	D	D	D	D	D	D	D	D

TABLE 16. Median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, ethnicity, race, and years since highest degree: 2008
(Dollars)

Level of highest degree, occupation, ethnicity, and race[a]	Employed scientists and engineers	Years since highest degree							
		<5 years	5–9 years	10–14 years	15–19 years	20–24 years	25–29 years	30–34 years	35+ years
Social/related scientists	60,000	40,000	60,000	70,000	70,000	83,000	73,000	74,000	70,000
Hispanic or Latino	58,000	48,000	58,000	65,000	62,000	58,000	53,000	S	65,000
Not Hispanic or Latino									
American Indian or Alaska Native	60,000	D	D	D	48,000	D	D	D	D
Asian	62,000	42,000	67,000	71,000	96,000	79,000	D	75,000	S
Black or African American	62,000	48,000	61,000	65,000	64,000	55,000	71,000	D	35,000
White	60,000	40,000	58,000	69,000	72,000	88,000	75,000	74,000	70,000
Other	39,000	39,000	21,000	80,000	S	45,000	D	102,000	D
Economists	91,000	59,000	78,000	145,000	113,000	99,000	140,000	105,000	68,000
Hispanic or Latino	61,000	60,000	98,000	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	78,000	S	68,000	95,000	136,000	D	D	D	D
Black or African American	59,000	59,000	49,000	D	D	D	D	D	D
White	100,000	50,000	91,000	125,000	109,000	108,000	140,000	105,000	68,000
Other	46,000	D	D	D	D	D	D	D	D
Political/related scientists	70,000	45,000	97,000	67,000	D	D	95,000	123,000	67,000
Hispanic or Latino	47,000	43,000	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	70,000	D	D	D	D	D	D	D	D
Black or African American	56,000	54,000	D	D	D	D	D	D	D
White	70,000	40,000	101,000	68,000	D	D	94,000	123,000	66,000
Other	49,000	D	D	D	D	D	D	D	D
Postsecondary teachers-social/ related sciences	54,000	20,000	50,000	61,000	67,000	71,000	69,000	80,000	52,000
Hispanic or Latino	57,000	S	58,000	66,000	62,000	54,000	D	11,000	D
Not Hispanic or Latino									
American Indian or Alaska Native	50,000	D	D	30,000	D	D	D	D	D
Asian	54,000	20,000	61,000	64,000	131,000	D	D	85,000	D
Black or African American	60,000	49,000	57,000	64,000	64,000	86,000	74,000	D	D
White	55,000	20,000	47,000	60,000	67,000	74,000	77,000	80,000	52,000
Other	D	S	20,000	D	D	D	D	100,000	D
Psychologists	58,000	40,000	56,000	63,000	69,000	69,000	69,000	60,000	55,000
Hispanic or Latino	52,000	43,000	57,000	85,000	59,000	60,000	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	41,000	D	43,000	D	D	D	D	D	D
Asian	49,000	42,000	S	70,000	D	51,000	D	D	D
Black or African American	59,000	S	59,000	74,000	68,000	51,000	86,000	84,000	D
White	58,000	39,000	55,000	60,000	70,000	72,000	69,000	60,000	55,000
Other	49,000	S	D	83,000	D	D	76,000	D	D
Sociologists/anthropologists	40,000	26,000	32,000	46,000	65,000	69,000	83,000	71,000	D
Hispanic or Latino	S	S	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	68,000	38,000	D	D	D	D	D	D	D
Black or African American	34,000	S	D	D	D	D	D	D	D
White	41,000	S	S	S	63,000	69,000	82,000	60,000	D
Other	22,000	21,000	D	D	D	D	D	D	D

TABLE 16. Median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, ethnicity, race, and years since highest degree: 2008
(Dollars)

Level of highest degree, occupation, ethnicity, and race[a]	Employed scientists and engineers	Years since highest degree							
		<5 years	5–9 years	10–14 years	15–19 years	20–24 years	25–29 years	30–34 years	35+ years
Other social/related scientists	73,000	46,000	69,000	80,000	89,000	104,000	87,000	S	122,000
Hispanic or Latino	62,000	61,000	63,000	S	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	74,000	50,000	98,000	S	89,000	D	D	59,000	D
Black or African American	65,000	47,000	89,000	D	D	D	D	D	D
White	77,000	45,000	65,000	80,000	89,000	136,000	91,000	76,000	136,000
Other	64,000	39,000	D	D	D	D	D	D	D
Engineering occupations	85,000	65,000	80,000	87,000	95,000	96,000	100,000	97,000	89,000
Hispanic or Latino	78,000	60,000	78,000	80,000	91,000	90,000	89,000	109,000	49,000
Not Hispanic or Latino									
American Indian or Alaska Native	85,000	61,000	82,000	D	136,000	D	D	D	D
Asian	85,000	70,000	84,000	95,000	99,000	100,000	100,000	96,000	93,000
Black or African American	81,000	68,000	80,000	85,000	90,000	77,000	89,000	98,000	D
White	87,000	64,000	80,000	86,000	95,000	96,000	100,000	97,000	90,000
Other	80,000	65,000	80,000	85,000	102,000	97,000	95,000	80,000	S
Aerospace/aeronautical/astronautical engineers	99,000	65,000	85,000	95,000	115,000	104,000	122,000	118,000	105,000
Hispanic or Latino	75,000	62,000	76,000	D	D	98,000	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	90,000	64,000	82,000	91,000	103,000	102,000	D	118,000	111,000
Black or African American	69,000	60,000	D	D	D	D	D	D	D
White	101,000	69,000	85,000	99,000	116,000	109,000	122,000	113,000	109,000
Other	90,000	67,000	96,000	D	D	D	D	D	D
Chemical engineers	94,000	68,000	82,000	86,000	93,000	105,000	102,000	117,000	114,000
Hispanic or Latino	79,000	65,000	69,000	D	S	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	100,000	68,000	80,000	103,000	115,000	98,000	131,000	109,000	92,000
Black or African American	88,000	D	D	D	D	D	D	D	D
White	94,000	68,000	81,000	85,000	92,000	105,000	100,000	118,000	116,000
Other	91,000	68,000	D	D	D	D	D	D	D
Civil/architectural/sanitary engineers	80,000	57,000	69,000	80,000	88,000	87,000	94,000	89,000	90,000
Hispanic or Latino	70,000	56,000	66,000	80,000	84,000	D	70,000	S	44,000
Not Hispanic or Latino									
American Indian or Alaska Native	66,000	D	D	D	D	D	D	D	D
Asian	80,000	68,000	80,000	83,000	93,000	100,000	99,000	73,000	87,000
Black or African American	76,000	67,000	67,000	79,000	81,000	59,000	D	D	D
White	80,000	55,000	69,000	80,000	88,000	87,000	93,000	95,000	99,000
Other	80,000	60,000	65,000	100,000	D	D	D	D	D
Electrical/computer hardware engineers	93,000	70,000	88,000	94,000	100,000	101,000	103,000	97,000	95,000
Hispanic or Latino	84,000	60,000	82,000	84,000	88,000	89,000	110,000	115,000	D
Not Hispanic or Latino									
American Indian or Alaska Native	88,000	D	D	D	D	D	D	D	D
Asian	94,000	77,000	90,000	105,000	100,000	105,000	105,000	84,000	98,000
Black or African American	86,000	69,000	83,000	89,000	D	98,000	112,000	98,000	D
White	95,000	70,000	87,000	93,000	100,000	102,000	103,000	96,000	96,000
Other	84,000	67,000	80,000	D	D	113,000	D	D	D
Industrial engineers	76,000	64,000	79,000	75,000	86,000	79,000	78,000	102,000	67,000
Hispanic or Latino	69,000	55,000	76,000	68,000	83,000	D	D	D	D

TABLE 16. Median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, ethnicity, race, and years since highest degree: 2008
(Dollars)

Level of highest degree, occupation, ethnicity, and race[a]	Employed scientists and engineers	Years since highest degree							
		<5 years	5–9 years	10–14 years	15–19 years	20–24 years	25–29 years	30–34 years	35+ years
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	72,000	62,000	71,000	71,000	D	80,000	D	D	D
Black or African American	68,000	63,000	86,000	87,000	D	D	D	D	D
White	81,000	69,000	81,000	81,000	87,000	79,000	79,000	104,000	68,000
Other	68,000	D	D	D	D	D	D	D	D
Mechanical engineers	85,000	65,000	80,000	90,000	94,000	93,000	97,000	89,000	94,000
Hispanic or Latino	79,000	63,000	81,000	72,000	108,000	92,000	73,000	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	104,000	50,000	D	D	D	D	D	D	D
Asian	83,000	71,000	82,000	92,000	91,000	96,000	95,000	95,000	102,000
Black or African American	84,000	75,000	74,000	D	D	D	D	D	D
White	85,000	64,000	80,000	88,000	92,000	92,000	99,000	87,000	95,000
Other	68,000	67,000	85,000	D	D	D	D	D	D
Postsecondary teachers-engineering	78,000	S	73,000	84,000	93,000	82,000	97,000	97,000	74,000
Hispanic or Latino	73,000	21,000	88,000	D	93,000	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	80,000	72,000	82,000	90,000	91,000	99,000	104,000	94,000	S
Black or African American	51,000	S	S	71,000	D	D	D	D	D
White	78,000	54,000	69,000	85,000	93,000	79,000	99,000	101,000	74,000
Other	19,000	16,000	D	D	D	D	D	D	D
Other engineers	83,000	62,000	78,000	84,000	99,000	92,000	96,000	97,000	74,000
Hispanic or Latino	79,000	58,000	70,000	80,000	94,000	86,000	53,000	D	102,000
Not Hispanic or Latino									
American Indian or Alaska Native	80,000	D	D	D	D	D	D	D	D
Asian	80,000	63,000	79,000	94,000	89,000	78,000	D	D	88,000
Black or African American	80,000	60,000	90,000	83,000	108,000	49,000	D	D	D
White	85,000	62,000	75,000	81,000	99,000	96,000	97,000	97,000	73,000
Other	76,000	67,000	70,000	D	D	D	D	D	D
S&E-related occupations	67,000	51,000	60,000	70,000	69,000	75,000	80,000	77,000	80,000
Hispanic or Latino	65,000	53,000	58,000	66,000	72,000	76,000	70,000	68,000	74,000
Not Hispanic or Latino									
American Indian or Alaska Native	57,000	51,000	D	D	71,000	D	D	45,000	D
Asian	80,000	53,000	83,000	90,000	87,000	89,000	82,000	78,000	80,000
Black or African American	62,000	53,000	61,000	65,000	64,000	69,000	69,000	70,000	54,000
White	66,000	50,000	60,000	67,000	68,000	75,000	80,000	79,000	80,000
Other	59,000	49,000	50,000	66,000	53,000	68,000	78,000	73,000	62,000
Health occupations	65,000	52,000	64,000	67,000	64,000	72,000	80,000	76,000	79,000
Hispanic or Latino	65,000	54,000	60,000	65,000	65,000	92,000	68,000	74,000	76,000
Not Hispanic or Latino									
American Indian or Alaska Native	61,000	51,000	D	D	61,000	S	68,000	D	D
Asian	80,000	54,000	93,000	88,000	80,000	87,000	81,000	74,000	86,000
Black or African American	60,000	54,000	61,000	64,000	63,000	61,000	64,000	73,000	S
White	65,000	52,000	63,000	64,000	60,000	71,000	80,000	77,000	80,000
Other	59,000	50,000	58,000	70,000	49,000	75,000	72,000	70,000	54,000
S&E managers, including health	110,000	91,000	97,000	108,000	110,000	115,000	120,000	114,000	116,000
Hispanic or Latino	101,000	85,000	90,000	112,000	110,000	125,000	102,000	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D

TABLE 16. Median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, ethnicity, race, and years since highest degree: 2008
(Dollars)

Level of highest degree, occupation, ethnicity, and race[a]	Employed scientists and engineers	Years since highest degree							
		<5 years	5–9 years	10–14 years	15–19 years	20–24 years	25–29 years	30–34 years	35+ years
Asian	119,000	78,000	110,000	115,000	125,000	141,000	132,000	115,000	101,000
Black or African American	95,000	89,000	84,000	106,000	101,000	92,000	137,000	64,000	D
White	110,000	96,000	99,000	107,000	108,000	113,000	119,000	120,000	119,000
Other	93,000	88,000	D	64,000	D	D	D	D	98,000
S&E precollege teachers	51,000	45,000	50,000	54,000	57,000	59,000	58,000	50,000	52,000
Hispanic or Latino	50,000	49,000	46,000	55,000	61,000	36,000	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	50,000	D	D	D	D	D	D	D	D
Asian	50,000	47,000	42,000	71,000	D	D	53,000	D	D
Black or African American	49,000	45,000	46,000	53,000	48,000	55,000	D	50,000	45,000
White	51,000	45,000	50,000	53,000	57,000	60,000	57,000	50,000	53,000
Other	41,000	38,000	46,000	D	D	D	D	D	D
S&E technicians/technologists	63,000	44,000	53,000	75,000	72,000	70,000	71,000	71,000	65,000
Hispanic or Latino	57,000	43,000	54,000	77,000	73,000	51,000	64,000	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	35,000	D	D	D	D	D	D	D	D
Asian	68,000	52,000	61,000	85,000	89,000	60,000	61,000	84,000	51,000
Black or African American	67,000	44,000	60,000	65,000	67,000	77,000	D	60,000	D
White	64,000	43,000	51,000	65,000	71,000	70,000	75,000	70,000	67,000
Other	57,000	25,000	49,000	54,000	86,000	D	D	D	D
Other S&E-related occupations	79,000	59,000	68,000	72,000	78,000	90,000	90,000	85,000	80,000
Hispanic or Latino	74,000	52,000	53,000	77,000	D	S	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	79,000	60,000	72,000	79,000	D	D	84,000	D	D
Black or African American	84,000	53,000	D	D	D	78,000	D	D	D
White	80,000	57,000	68,000	71,000	78,000	90,000	90,000	85,000	97,000
Other	63,000	D	D	D	D	D	D	D	D
Non-S&E occupations	57,000	43,000	54,000	65,000	66,000	68,000	70,000	64,000	50,000
Hispanic or Latino	51,000	42,000	55,000	56,000	63,000	58,000	44,000	65,000	49,000
Not Hispanic or Latino									
American Indian or Alaska Native	50,000	52,000	47,000	D	44,000	63,000	31,000	53,000	79,000
Asian	55,000	49,000	62,000	74,000	58,000	53,000	57,000	50,000	42,000
Black or African American	51,000	40,000	50,000	58,000	64,000	68,000	51,000	60,000	39,000
White	60,000	42,000	52,000	64,000	70,000	69,000	75,000	65,000	50,000
Other	49,000	41,000	50,000	61,000	69,000	74,000	47,000	40,000	50,000
Arts/humanities/related occupations	46,000	36,000	48,000	49,000	59,000	38,000	62,000	49,000	37,000
Hispanic or Latino	63,000	S	55,000	48,000	D	S	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	38,000	36,000	72,000	D	S	D	D	4,000	D
Black or African American	53,000	36,000	54,000	19,000	D	D	D	D	D
White	45,000	35,000	40,000	48,000	59,000	38,000	60,000	52,000	36,000
Other	S	S	D	59,000	D	D	D	D	D
Management-related occupations	73,000	57,000	68,000	88,000	75,000	77,000	83,000	78,000	61,000
Hispanic or Latino	64,000	48,000	68,000	66,000	68,000	64,000	80,000	82,000	63,000
Not Hispanic or Latino									
American Indian or Alaska Native	80,000	D	D	D	D	D	D	D	D
Asian	73,000	64,000	80,000	85,000	79,000	69,000	63,000	59,000	68,000
Black or African American	70,000	65,000	65,000	79,000	69,000	83,000	60,000	75,000	S

TABLE 16. Median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, ethnicity, race, and years since highest degree: 2008
(Dollars)

Level of highest degree, occupation, ethnicity, and race[a]	Employed scientists and engineers	Years since highest degree							
		<5 years	5–9 years	10–14 years	15–19 years	20–24 years	25–29 years	30–34 years	35+ years
White	75,000	52,000	65,000	93,000	74,000	78,000	88,000	78,000	62,000
Other	54,000	50,000	40,000	72,000	107,000	72,000	D	S	D
Non-S&E managers	110,000	84,000	94,000	105,000	119,000	125,000	120,000	121,000	120,000
Hispanic or Latino	100,000	63,000	99,000	99,000	114,000	130,000	112,000	105,000	130,000
Not Hispanic or Latino									
American Indian or Alaska Native	76,000	D	D	D	D	D	D	D	D
Asian	110,000	96,000	102,000	125,000	98,000	121,000	117,000	125,000	100,000
Black or African American	89,000	63,000	88,000	84,000	83,000	94,000	99,000	96,000	87,000
White	114,000	85,000	93,000	109,000	120,000	126,000	119,000	125,000	120,000
Other	127,000	74,000	148,000	103,000	D	S	D	D	D
Non-S&E postsecondary teachers	49,000	23,000	50,000	54,000	60,000	50,000	54,000	61,000	S
Hispanic or Latino	49,000	58,000	50,000	42,000	39,000	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	61,000	S	68,000	74,000	80,000	D	S	D	D
Black or African American	42,000	25,000	43,000	36,000	72,000	D	D	D	61,000
White	49,000	20,000	50,000	56,000	57,000	58,000	56,000	67,000	S
Other	24,000	S	D	D	D	D	D	D	D
Non-S&E precollege/other teachers	43,000	43,000	46,000	44,000	45,000	38,000	39,000	45,000	22,000
Hispanic or Latino	41,000	43,000	43,000	39,000	32,000	31,000	30,000	S	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	30,000	45,000	50,000	21,000	S	8,000	D	D	D
Black or African American	42,000	40,000	46,000	41,000	44,000	57,000	S	S	20,000
White	44,000	43,000	47,000	45,000	46,000	40,000	45,000	48,000	S
Other	40,000	43,000	D	D	D	D	D	33,000	D
Sales/marketing occupations	62,000	44,000	61,000	70,000	74,000	73,000	78,000	57,000	49,000
Hispanic or Latino	58,000	45,000	51,000	67,000	S	58,000	68,000	17,000	36,000
Not Hispanic or Latino									
American Indian or Alaska Native	67,000	D	56,000	D	D	D	D	D	D
Asian	55,000	48,000	69,000	66,000	62,000	49,000	52,000	S	41,000
Black or African American	48,000	38,000	50,000	70,000	49,000	65,000	42,000	S	S
White	64,000	44,000	64,000	71,000	75,000	82,000	84,000	58,000	49,000
Other	47,000	32,000	46,000	63,000	81,000	S	D	D	74,000
Social services/related occupations	43,000	37,000	43,000	45,000	48,000	46,000	50,000	45,000	33,000
Hispanic or Latino	44,000	39,000	44,000	45,000	48,000	53,000	52,000	65,000	D
Not Hispanic or Latino									
American Indian or Alaska Native	50,000	52,000	D	D	D	D	D	D	D
Asian	45,000	44,000	39,000	59,000	69,000	D	D	D	62,000
Black or African American	45,000	36,000	45,000	50,000	52,000	45,000	51,000	39,000	D
White	42,000	35,000	42,000	43,000	43,000	44,000	50,000	45,000	32,000
Other	44,000	43,000	44,000	D	D	D	D	D	D
Other non-S&E occupations	46,000	37,000	45,000	56,000	55,000	54,000	56,000	44,000	37,000
Hispanic or Latino	41,000	35,000	53,000	45,000	47,000	39,000	33,000	62,000	31,000
Not Hispanic or Latino									
American Indian or Alaska Native	34,000	37,000	35,000	D	S	D	D	D	D
Asian	42,000	37,000	50,000	51,000	40,000	45,000	50,000	40,000	33,000
Black or African American	45,000	34,000	45,000	51,000	49,000	55,000	48,000	45,000	50,000
White	48,000	37,000	43,000	59,000	60,000	58,000	60,000	45,000	36,000
Other	48,000	38,000	52,000	48,000	46,000	98,000	S	35,000	46,000

TABLE 16. Median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, ethnicity, race, and years since highest degree: 2008
(Dollars)

Level of highest degree, occupation, ethnicity, and race[a]	Employed scientists and engineers	Years since highest degree							
		<5 years	5–9 years	10–14 years	15–19 years	20–24 years	25–29 years	30–34 years	35+ years
Bachelor's degrees, all occupations	D	D	D	D	D	D	D	D	D
Hispanic or Latino	D	D	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	D	D	D	D	D	D	D	D	D
Black or African American	D	D	D	D	D	D	D	D	D
White	D	D	D	D	D	D	D	D	D
Other	D	D	D	D	D	D	D	D	D
S&E occupations	60,000	40,000	52,000	65,000	68,000	72,000	70,000	65,000	57,000
Hispanic or Latino	52,000	40,000	52,000	60,000	61,000	58,000	58,000	67,000	54,000
Not Hispanic or Latino									
American Indian or Alaska Native	52,000	44,000	55,000	70,000	55,000	65,000	35,000	49,000	D
Asian	62,000	49,000	60,000	80,000	75,000	69,000	70,000	57,000	58,000
Black or African American	52,000	39,000	49,000	55,000	62,000	69,000	55,000	63,000	41,000
White	60,000	40,000	51,000	64,000	68,000	73,000	73,000	65,000	60,000
Other	51,000	40,000	46,000	67,000	64,000	74,000	52,000	50,000	56,000
Science occupations	75,000	51,000	68,000	80,000	84,000	90,000	90,000	83,000	83,000
Hispanic or Latino	69,000	48,000	65,000	75,000	78,000	91,000	77,000	93,000	61,000
Not Hispanic or Latino									
American Indian or Alaska Native	70,000	59,000	D	80,000	89,000	D	D	D	D
Asian	75,000	56,000	69,000	85,000	93,000	89,000	94,000	69,000	83,000
Black or African American	70,000	50,000	67,000	75,000	76,000	77,000	73,000	81,000	80,000
White	77,000	50,000	67,000	80,000	83,000	91,000	90,000	85,000	85,000
Other	68,000	55,000	59,000	83,000	78,000	87,000	76,000	68,000	54,000
Biological/agricultural/other life scientists	72,000	45,000	61,000	76,000	82,000	88,000	81,000	78,000	79,000
Hispanic or Latino	64,000	43,000	60,000	74,000	66,000	91,000	72,000	70,000	73,000
Not Hispanic or Latino									
American Indian or Alaska Native	67,000	61,000	D	81,000	D	D	D	D	D
Asian	75,000	55,000	67,000	85,000	97,000	86,000	91,000	61,000	76,000
Black or African American	68,000	44,000	61,000	72,000	72,000	76,000	56,000	72,000	83,000
White	72,000	42,000	61,000	75,000	80,000	90,000	82,000	78,000	79,000
Other	59,000	43,000	49,000	80,000	D	79,000	52,000	65,000	57,000
Agricultural/food scientists	44,000	26,000	S	54,000	60,000	57,000	52,000	55,000	52,000
Hispanic or Latino	43,000	23,000	47,000	D	D	D	59,000	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	49,000	D	D	D	D	D	D	D	D
Asian	39,000	27,000	28,000	D	D	41,000	62,000	D	D
Black or African American	64,000	D	55,000	D	D	D	D	D	D
White	42,000	25,000	32,000	53,000	48,000	60,000	50,000	50,000	52,000
Other	47,000	34,000	D	D	D	D	D	D	D
Biological/medical scientists	42,000	29,000	42,000	D	D	49,000	S	76,000	40,000
Hispanic or Latino	D	26,000	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	D	D	D	D	D	D	D	D	D
Black or African American	D	16,000	D	D	D	D	D	D	D
White	42,000	29,000	39,000	D	D	55,000	S	76,000	39,000
Other	D	D	D	D	D	D	D	D	D

TABLE 16. Median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, ethnicity, race, and years since highest degree: 2008
(Dollars)

Level of highest degree, occupation, ethnicity, and race[a]	Employed scientists and engineers	Years since highest degree							
		<5 years	5–9 years	10–14 years	15–19 years	20–24 years	25–29 years	30–34 years	35+ years
Environmental life scientists	45,000	27,000	37,000	54,000	73,000	51,000	50,000	53,000	56,000
Hispanic or Latino	40,000	24,000	48,000	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	43,000	27,000	S	D	D	42,000	D	D	D
Black or African American	61,000	D	56,000	D	D	D	D	D	D
White	44,000	27,000	32,000	53,000	64,000	72,000	44,000	49,000	55,000
Other	S	23,000	D	D	D	D	D	D	D
Postsecondary teachers-life/ related sciences	53,000	36,000	38,000	51,000	D	60,000	D	50,000	49,000
Hispanic or Latino	D	D	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	D	D	D	D	D	D	D	D	D
Black or African American	D	D	D	D	D	D	D	D	D
White	50,000	36,000	38,000	51,000	D	60,000	D	50,000	48,000
Other	D	D	D	D	D	D	D	D	D
Computer/mathematical scientists	20,000	13,000	16,000	D	D	D	D	D	D
Hispanic or Latino	D	D	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	D	D	D	D	D	D	D	D	D
Black or African American	D	D	D	D	D	D	D	D	D
White	15,000	11,000	12,000	D	D	D	D	D	D
Other	D	D	D	D	D	D	D	D	D
Computer/information scientists	80,000	55,000	70,000	80,000	85,000	93,000	85,000	79,000	85,000
Hispanic or Latino	70,000	50,000	68,000	78,000	66,000	100,000	70,000	67,000	66,000
Not Hispanic or Latino									
American Indian or Alaska Native	81,000	D	D	82,000	D	D	D	D	D
Asian	80,000	60,000	69,000	86,000	98,000	94,000	93,000	63,000	77,000
Black or African American	71,000	49,000	70,000	69,000	78,000	78,000	50,000	79,000	85,000
White	80,000	54,000	73,000	80,000	84,000	94,000	85,000	80,000	87,000
Other	70,000	55,000	58,000	76,000	63,000	79,000	65,000	D	59,000
Mathematical scientists	80,000	56,000	70,000	81,000	85,000	94,000	85,000	80,000	88,000
Hispanic or Latino	71,000	51,000	69,000	78,000	66,000	98,000	73,000	67,000	68,000
Not Hispanic or Latino									
American Indian or Alaska Native	81,000	D	D	82,000	D	D	D	D	D
Asian	80,000	60,000	69,000	86,000	98,000	95,000	93,000	66,000	82,000
Black or African American	70,000	49,000	69,000	69,000	72,000	79,000	50,000	81,000	82,000
White	80,000	55,000	73,000	80,000	84,000	95,000	85,000	80,000	88,000
Other	70,000	55,000	58,000	76,000	63,000	79,000	65,000	D	59,000
Postsecondary teachers-computer/ mathematical sciences	61,000	49,000	63,000	58,000	82,000	D	106,000	69,000	58,000
Hispanic or Latino	54,000	38,000	53,000	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	67,000	S	D	D	D	D	D	D	D
Black or African American	82,000	70,000	D	D	D	D	D	D	D
White	60,000	48,000	78,000	58,000	64,000	D	106,000	82,000	57,000
Other	D	D	D	D	D	D	D	D	D

TABLE 16. Median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, ethnicity, race, and years since highest degree: 2008
(Dollars)

Level of highest degree, occupation, ethnicity, and race[a]	Employed scientists and engineers	Years since highest degree							
		<5 years	5–9 years	10–14 years	15–19 years	20–24 years	25–29 years	30–34 years	35+ years
Physical/related scientists	20,000	17,000	20,000	D	D	D	35,000	D	S
Hispanic or Latino	25,000	D	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	18,000	S	D	D	D	D	D	D	D
Black or African American	D	D	D	D	D	D	D	D	D
White	19,000	17,000	19,000	D	D	D	D	D	D
Other	D	D	D	D	D	D	D	D	D
Chemists, except biochemists	60,000	28,000	50,000	66,000	64,000	68,000	75,000	69,000	75,000
Hispanic or Latino	50,000	33,000	47,000	44,000	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	58,000	D	D	D	D	D	D	D	D
Asian	69,000	24,000	70,000	D	D	77,000	D	D	82,000
Black or African American	48,000	29,000	49,000	D	D	D	D	49,000	D
White	60,000	28,000	48,000	68,000	65,000	68,000	77,000	69,000	67,000
Other	41,000	S	45,000	D	D	D	D	D	D
Earth/atmospheric/ocean scientists	60,000	38,000	50,000	65,000	63,000	70,000	59,000	75,000	75,000
Hispanic or Latino	46,000	29,000	38,000	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	70,000	29,000	70,000	D	D	77,000	D	D	79,000
Black or African American	47,000	29,000	D	D	D	D	D	D	D
White	60,000	39,000	48,000	65,000	74,000	75,000	59,000	71,000	68,000
Other	44,000	D	32,000	D	D	D	D	D	D
Physicists/astronomers	65,000	38,000	52,000	69,000	65,000	68,000	85,000	72,000	48,000
Hispanic or Latino	57,000	S	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	74,000	D	D	D	D	D	D	D	D
Black or African American	46,000	37,000	D	D	D	D	D	D	D
White	67,000	39,000	51,000	69,000	66,000	68,000	85,000	74,000	S
Other	48,000	37,000	D	D	D	D	D	D	D
Postsecondary teachers-physical/ related sciences	S	22,000	S	D	D	D	D	D	D
Hispanic or Latino	D	D	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	D	D	D	D	D	D	D	D	D
Black or African American	D	D	D	D	D	D	D	D	D
White	28,000	22,000	29,000	D	D	D	D	D	D
Other	D	D	D	D	D	D	D	D	D
Other physical/related scientists	22,000	20,000	25,000	D	D	D	D	D	D
Hispanic or Latino	18,000	17,000	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	16,000	15,000	D	D	D	D	D	D	D
Black or African American	D	D	D	D	D	D	D	D	D
White	23,000	20,000	27,000	D	D	D	D	D	D
Other	14,000	14,000	D	D	D	D	D	D	D

TABLE 16. Median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, ethnicity, race, and years since highest degree: 2008
(Dollars)

Level of highest degree, occupation, ethnicity, and race[a]	Employed scientists and engineers	Years since highest degree							
		<5 years	5–9 years	10–14 years	15–19 years	20–24 years	25–29 years	30–34 years	35+ years
Social/related scientists	62,000	42,000	44,000	61,000	58,000	62,000	80,000	61,000	S
Hispanic or Latino	54,000	D	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	D	D	D	D	D	D	D	D	D
Black or African American	D	D	D	D	D	D	D	D	D
White	62,000	40,000	43,000	D	58,000	63,000	83,000	61,000	77,000
Other	D	D	D	D	D	D	D	D	D
Economists	46,000	25,000	36,000	69,000	63,000	97,000	68,000	51,000	70,000
Hispanic or Latino	52,000	19,000	54,000	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	54,000	20,000	60,000	D	D	D	D	D	D
Black or African American	53,000	S	D	D	D	D	D	D	D
White	45,000	27,000	30,000	67,000	43,000	125,000	70,000	52,000	70,000
Other	22,000	16,000	D	D	D	D	D	D	D
Political/related scientists	62,000	45,000	D	D	D	83,000	D	D	D
Hispanic or Latino	D	D	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	D	D	D	D	D	D	D	D	D
Black or African American	D	D	D	D	D	D	D	D	D
White	64,000	38,000	D	D	D	D	D	D	D
Other	D	D	D	D	D	D	D	D	D
Postsecondary teachers-social/ related sciences	41,000	S	D	D	D	D	D	D	D
Hispanic or Latino	D	D	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	D	D	D	D	D	D	D	D	D
Black or African American	D	D	D	D	D	D	D	D	D
White	40,000	23,000	D	D	D	D	D	D	D
Other	D	D	D	D	D	D	D	D	D
Psychologists	15,000	14,000	15,000	D	D	D	D	D	D
Hispanic or Latino	D	D	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	D	D	D	D	D	D	D	D	D
Black or African American	D	D	D	D	D	D	D	D	D
White	14,000	13,000	13,000	D	D	D	D	D	D
Other	D	D	D	D	D	D	D	D	D
Sociologists/anthropologists	30,000	19,000	30,000	D	D	D	D	D	D
Hispanic or Latino	S	D	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	S	D	D	D	D	D	D	D	D
Black or African American	28,000	D	D	D	D	D	D	D	D
White	30,000	S	D	D	D	D	D	D	D
Other	D	D	D	D	D	D	D	D	D

TABLE 16. Median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, ethnicity, race, and years since highest degree: 2008
(Dollars)

Level of highest degree, occupation, ethnicity, and race[a]	Employed scientists and engineers	Years since highest degree							
		<5 years	5–9 years	10–14 years	15–19 years	20–24 years	25–29 years	30–34 years	35+ years
Other social/related scientists	25,000	23,000	D	D	D	D	D	D	D
Hispanic or Latino	D	D	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	D	D	D	D	D	D	D	D	D
Black or African American	D	D	D	D	D	D	D	D	D
White	27,000	26,000	D	D	D	D	D	D	D
Other	D	D	D	D	D	D	D	D	D
Engineering occupations	64,000	42,000	72,000	75,000	54,000	120,000	79,000	56,000	74,000
Hispanic or Latino	59,000	D	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	59,000	50,000	D	D	D	D	D	D	D
Black or African American	58,000	D	D	D	D	D	D	D	D
White	63,000	40,000	73,000	73,000	S	127,000	91,000	56,000	99,000
Other	D	D	D	D	D	D	D	D	D
Aerospace/aeronautical/astronautical engineers	80,000	60,000	72,000	81,000	89,000	92,000	99,000	94,000	85,000
Hispanic or Latino	73,000	56,000	69,000	77,000	89,000	89,000	88,000	101,000	46,000
Not Hispanic or Latino									
American Indian or Alaska Native	85,000	51,000	80,000	D	D	D	D	D	D
Asian	78,000	60,000	73,000	85,000	87,000	92,000	97,000	75,000	87,000
Black or African American	76,000	58,000	75,000	83,000	87,000	76,000	89,000	95,000	D
White	82,000	60,000	72,000	82,000	88,000	93,000	100,000	95,000	89,000
Other	78,000	64,000	78,000	85,000	102,000	90,000	90,000	68,000	S
Chemical engineers	94,000	62,000	75,000	89,000	107,000	100,000	119,000	117,000	103,000
Hispanic or Latino	73,000	61,000	56,000	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	89,000	64,000	74,000	D	D	D	D	118,000	D
Black or African American	53,000	55,000	D	D	D	D	D	D	D
White	98,000	63,000	75,000	95,000	108,000	100,000	121,000	107,000	105,000
Other	88,000	51,000	D	D	D	D	D	D	D
Civil/architectural/sanitary engineers	85,000	63,000	75,000	81,000	80,000	99,000	101,000	123,000	104,000
Hispanic or Latino	81,000	63,000	66,000	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	73,000	59,000	74,000	D	D	D	D	D	D
Black or African American	84,000	58,000	D	D	D	D	D	D	D
White	87,000	64,000	74,000	81,000	79,000	96,000	100,000	123,000	102,000
Other	D	S	D	D	D	D	D	D	D
Electrical/computer hardware engineers	75,000	54,000	66,000	79,000	83,000	85,000	93,000	89,000	91,000
Hispanic or Latino	66,000	52,000	65,000	79,000	84,000	D	68,000	D	44,000
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	76,000	55,000	70,000	86,000	106,000	D	98,000	68,000	85,000
Black or African American	75,000	58,000	65,000	D	80,000	58,000	D	D	D
White	76,000	53,000	66,000	77,000	82,000	85,000	93,000	96,000	99,000
Other	79,000	59,000	64,000	D	D	D	D	D	D
Industrial engineers	87,000	61,000	80,000	87,000	90,000	99,000	101,000	93,000	90,000
Hispanic or Latino	81,000	56,000	82,000	80,000	87,000	84,000	113,000	D	D

TABLE 16. Median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, ethnicity, race, and years since highest degree: 2008
(Dollars)

Level of highest degree, occupation, ethnicity, and race[a]	Employed scientists and engineers	Years since highest degree							
		<5 years	5–9 years	10–14 years	15–19 years	20–24 years	25–29 years	30–34 years	35+ years
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	80,000	60,000	73,000	85,000	89,000	98,000	99,000	D	88,000
Black or African American	85,000	59,000	81,000	D	D	98,000	112,000	99,000	D
White	89,000	62,000	80,000	88,000	90,000	100,000	100,000	93,000	93,000
Other	81,000	64,000	78,000	D	D	D	D	D	D
Mechanical engineers	72,000	60,000	70,000	72,000	80,000	75,000	77,000	102,000	59,000
Hispanic or Latino	69,000	52,000	62,000	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	72,000	62,000	71,000	68,000	D	74,000	D	D	D
Black or African American	64,000	60,000	68,000	D	D	D	D	D	D
White	74,000	62,000	70,000	71,000	84,000	76,000	79,000	104,000	60,000
Other	67,000	D	D	D	D	D	D	D	D
Postsecondary teachers-engineering	81,000	60,000	75,000	85,000	89,000	93,000	95,000	85,000	94,000
Hispanic or Latino	71,000	53,000	76,000	65,000	103,000	92,000	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	104,000	D	D	D	D	D	D	D	D
Asian	79,000	64,000	77,000	83,000	82,000	85,000	95,000	91,000	84,000
Black or African American	75,000	52,000	74,000	D	D	D	D	D	D
White	83,000	60,000	75,000	87,000	89,000	93,000	98,000	85,000	95,000
Other	67,000	67,000	D	D	D	D	D	D	D
Other engineers	S	14,000	23,000	D	D	D	D	D	62,000
Hispanic or Latino	D	D	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	D	D	D	D	D	D	D	D	D
Black or African American	46,000	D	D	D	D	D	D	D	D
White	S	S	D	D	D	D	D	D	57,000
Other	D	D	D	D	D	D	D	D	D
S&E-related occupations	80,000	60,000	69,000	80,000	90,000	85,000	95,000	87,000	74,000
Hispanic or Latino	71,000	58,000	67,000	75,000	90,000	86,000	53,000	D	103,000
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	77,000	42,000	75,000	D	D	D	D	D	83,000
Black or African American	76,000	62,000	D	86,000	D	D	D	D	D
White	80,000	59,000	69,000	80,000	91,000	85,000	97,000	85,000	73,000
Other	73,000	67,000	D	D	D	D	D	D	D
Health occupations	58,000	44,000	50,000	60,000	60,000	66,000	65,000	66,000	60,000
Hispanic or Latino	55,000	48,000	50,000	57,000	60,000	57,000	64,000	66,000	62,000
Not Hispanic or Latino									
American Indian or Alaska Native	52,000	49,000	54,000	D	D	D	D	D	D
Asian	66,000	49,000	54,000	85,000	72,000	68,000	73,000	63,000	58,000
Black or African American	55,000	48,000	55,000	55,000	55,000	61,000	62,000	75,000	43,000
White	57,000	43,000	50,000	57,000	59,000	66,000	65,000	66,000	60,000
Other	52,000	40,000	40,000	64,000	49,000	66,000	73,000	70,000	76,000
S&E managers, including health	54,000	45,000	50,000	54,000	52,000	56,000	61,000	60,000	53,000
Hispanic or Latino	52,000	48,000	48,000	50,000	54,000	54,000	43,000	52,000	67,000
Not Hispanic or Latino									
American Indian or Alaska Native	55,000	48,000	D	D	D	D	D	D	D

TABLE 16. Median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, ethnicity, race, and years since highest degree: 2008
(Dollars)

Level of highest degree, occupation, ethnicity, and race[a]	Employed scientists and engineers	Years since highest degree							
		<5 years	5–9 years	10–14 years	15–19 years	20–24 years	25–29 years	30–34 years	35+ years
Asian	65,000	46,000	54,000	78,000	69,000	66,000	70,000	48,000	58,000
Black or African American	54,000	52,000	50,000	54,000	49,000	55,000	60,000	72,000	32,000
White	52,000	45,000	50,000	52,000	50,000	55,000	60,000	60,000	50,000
Other	51,000	41,000	32,000	68,000	48,000	D	74,000	64,000	55,000
S&E precollege teachers	104,000	64,000	83,000	99,000	102,000	110,000	119,000	105,000	107,000
Hispanic or Latino	99,000	D	87,000	90,000	D	125,000	100,000	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	117,000	D	D	112,000	115,000	134,000	D	159,000	98,000
Black or African American	91,000	D	79,000	D	69,000	82,000	121,000	D	D
White	105,000	72,000	83,000	99,000	102,000	110,000	117,000	110,000	110,000
Other	73,000	D	D	D	D	D	D	D	97,000
S&E technicians/technologists	45,000	37,000	43,000	45,000	50,000	45,000	52,000	47,000	52,000
Hispanic or Latino	45,000	39,000	46,000	D	58,000	29,000	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	50,000	D	D	D	D	D	D	D	D
Asian	44,000	43,000	D	D	D	D	D	D	D
Black or African American	40,000	35,000	40,000	30,000	D	D	D	D	40,000
White	46,000	36,000	43,000	44,000	50,000	49,000	52,000	45,000	54,000
Other	40,000	D	D	D	D	D	D	D	D
Other S&E-related occupations	62,000	39,000	51,000	70,000	71,000	70,000	62,000	70,000	61,000
Hispanic or Latino	55,000	34,000	53,000	76,000	73,000	51,000	62,000	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	35,000	D	D	D	D	D	D	D	D
Asian	60,000	50,000	56,000	85,000	90,000	44,000	60,000	91,000	50,000
Black or African American	61,000	35,000	52,000	D	D	78,000	D	57,000	D
White	64,000	39,000	46,000	65,000	70,000	70,000	71,000	67,000	67,000
Other	57,000	25,000	47,000	D	D	D	D	D	D
Non-S&E occupations	79,000	61,000	69,000	72,000	72,000	89,000	88,000	73,000	78,000
Hispanic or Latino	80,000	D	D	D	D	S	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	78,000	62,000	80,000	75,000	D	D	88,000	D	D
Black or African American	82,000	D	D	D	D	87,000	D	D	D
White	79,000	60,000	64,000	71,000	70,000	89,000	76,000	71,000	79,000
Other	56,000	D	D	D	D	D	D	D	D
Arts/humanities/related occupations	50,000	35,000	44,000	55,000	60,000	59,000	60,000	52,000	49,000
Hispanic or Latino	44,000	36,000	46,000	48,000	56,000	46,000	41,000	59,000	39,000
Not Hispanic or Latino									
American Indian or Alaska Native	43,000	24,000	39,000	D	D	D	D	S	D
Asian	48,000	40,000	55,000	60,000	45,000	50,000	53,000	49,000	38,000
Black or African American	45,000	33,000	40,000	43,000	52,000	67,000	49,000	57,000	27,000
White	50,000	33,000	43,000	58,000	62,000	60,000	65,000	54,000	49,000
Other	45,000	35,000	41,000	58,000	67,000	69,000	33,000	35,000	43,000
Management-related occupations	40,000	30,000	39,000	35,000	64,000	32,000	62,000	48,000	49,000
Hispanic or Latino	62,000	23,000	D	47,000	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	34,000	33,000	S	D	D	D	D	D	D
Black or African American	51,000	29,000	46,000	D	D	D	D	D	D

TABLE 16. Median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, ethnicity, race, and years since highest degree: 2008
(Dollars)

Level of highest degree, occupation, ethnicity, and race[a]	Employed scientists and engineers	Years since highest degree							
		<5 years	5–9 years	10–14 years	15–19 years	20–24 years	25–29 years	30–34 years	35+ years
White	40,000	30,000	S	34,000	60,000	31,000	59,000	50,000	49,000
Other	20,000	S	D	D	D	D	D	D	D
Non-S&E managers	64,000	48,000	58,000	75,000	72,000	74,000	80,000	74,000	61,000
Hispanic or Latino	57,000	43,000	58,000	51,000	58,000	48,000	D	79,000	63,000
Not Hispanic or Latino									
American Indian or Alaska Native	61,000	D	D	D	D	D	D	D	D
Asian	61,000	59,000	67,000	72,000	78,000	64,000	62,000	55,000	S
Black or African American	60,000	48,000	56,000	49,000	66,000	83,000	60,000	D	S
White	65,000	45,000	56,000	80,000	72,000	75,000	83,000	73,000	65,000
Other	49,000	48,000	40,000	56,000	D	D	D	D	D
Non-S&E postsecondary teachers	104,000	59,000	82,000	93,000	104,000	110,000	113,000	118,000	118,000
Hispanic or Latino	99,000	52,000	D	95,000	148,000	113,000	96,000	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	98,000	D	102,000	114,000	D	90,000	97,000	D	101,000
Black or African American	85,000	49,000	82,000	D	68,000	96,000	82,000	91,000	D
White	109,000	60,000	80,000	94,000	104,000	111,000	117,000	120,000	119,000
Other	S	73,000	D	D	234,000	D	D	D	D
Non-S&E precollege/other teachers	21,000	14,000	S	26,000	D	S	40,000	35,000	D
Hispanic or Latino	35,000	D	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	D	D	D	D	D	D	D	D	D
Black or African American	22,000	22,000	D	D	D	D	D	D	D
White	19,000	14,000	D	D	D	D	44,000	63,000	D
Other	14,000	D	D	D	D	D	D	D	D
Sales/marketing occupations	33,000	32,000	36,000	30,000	35,000	32,000	27,000	35,000	31,000
Hispanic or Latino	35,000	35,000	40,000	S	S	D	30,000	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	19,000	D	D	D	24,000	D	D	D	D
Black or African American	31,000	30,000	31,000	41,000	D	28,000	D	D	20,000
White	34,000	31,000	35,000	S	34,000	35,000	30,000	36,000	32,000
Other	S	38,000	D	D	D	D	D	D	D
Social services/related occupations	60,000	39,000	55,000	65,000	74,000	70,000	74,000	55,000	49,000
Hispanic or Latino	50,000	33,000	45,000	67,000	S	49,000	72,000	D	36,000
Not Hispanic or Latino									
American Indian or Alaska Native	64,000	D	56,000	D	D	D	D	D	D
Asian	50,000	45,000	60,000	65,000	67,000	47,000	40,000	S	32,000
Black or African American	46,000	31,000	43,000	67,000	54,000	79,000	40,000	75,000	S
White	60,000	40,000	56,000	64,000	73,000	73,000	80,000	56,000	50,000
Other	46,000	30,000	46,000	63,000	D	S	D	D	D
Other non-S&E occupations	35,000	30,000	34,000	38,000	38,000	35,000	45,000	42,000	32,000
Hispanic or Latino	39,000	35,000	36,000	36,000	D	47,000	S	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	31,000	23,000	D	D	D	D	D	D	D
Black or African American	38,000	32,000	34,000	41,000	38,000	D	54,000	37,000	D
White	35,000	29,000	35,000	35,000	38,000	34,000	44,000	42,000	31,000
Other	36,000	30,000	36,000	D	D	D	D	D	D

TABLE 16. Median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, ethnicity, race, and years since highest degree: 2008
(Dollars)

Level of highest degree, occupation, ethnicity, and race[a]	Employed scientists and engineers	Years since highest degree							
		<5 years	5–9 years	10–14 years	15–19 years	20–24 years	25–29 years	30–34 years	35+ years
Master's degrees, all occupations	40,000	30,000	38,000	44,000	46,000	47,000	48,000	40,000	33,000
Hispanic or Latino	37,000	34,000	42,000	38,000	40,000	37,000	29,000	39,000	31,000
Not Hispanic or Latino									
American Indian or Alaska Native	32,000	23,000	34,000	D	D	D	D	D	D
Asian	40,000	31,000	42,000	39,000	35,000	40,000	53,000	41,000	33,000
Black or African American	40,000	31,000	35,000	42,000	47,000	54,000	32,000	45,000	37,000
White	40,000	30,000	37,000	46,000	49,000	44,000	50,000	40,000	33,000
Other	41,000	30,000	40,000	D	46,000	98,000	D	D	44,000
S&E occupations	D	D	D	D	D	D	D	D	D
Hispanic or Latino	D	D	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	D	D	D	D	D	D	D	D	D
Black or African American	D	D	D	D	D	D	D	D	D
White	D	D	D	D	D	D	D	D	D
Other	D	D	D	D	D	D	D	D	D
Science occupations	70,000	57,000	70,000	80,000	79,000	75,000	75,000	80,000	63,000
Hispanic or Latino	65,000	58,000	63,000	79,000	76,000	70,000	50,000	59,000	63,000
Not Hispanic or Latino									
American Indian or Alaska Native	59,000	53,000	76,000	D	51,000	62,000	D	D	D
Asian	82,000	70,000	85,000	94,000	96,000	92,000	78,000	85,000	77,000
Black or African American	65,000	54,000	65,000	71,000	72,000	68,000	64,000	60,000	68,000
White	70,000	55,000	66,000	75,000	76,000	75,000	76,000	82,000	60,000
Other	68,000	58,000	80,000	89,000	67,000	72,000	76,000	S	62,000
Biological/agricultural/other life scientists	83,000	65,000	81,000	91,000	95,000	95,000	90,000	89,000	77,000
Hispanic or Latino	71,000	60,000	73,000	87,000	83,000	68,000	96,000	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	58,000	38,000	D	D	D	D	D	D	D
Asian	86,000	72,000	86,000	95,000	102,000	100,000	100,000	91,000	95,000
Black or African American	78,000	66,000	78,000	88,000	98,000	77,000	81,000	83,000	D
White	82,000	60,000	80,000	90,000	94,000	97,000	91,000	87,000	73,000
Other	72,000	62,000	71,000	100,000	D	65,000	D	111,000	D
Agricultural/food scientists	78,000	59,000	75,000	89,000	90,000	88,000	79,000	79,000	65,000
Hispanic or Latino	65,000	58,000	60,000	83,000	74,000	66,000	96,000	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	58,000	D	D	D	D	D	D	D	D
Asian	85,000	71,000	86,000	92,000	103,000	99,000	83,000	73,000	90,000
Black or African American	75,000	59,000	74,000	87,000	87,000	76,000	80,000	76,000	D
White	75,000	51,000	70,000	84,000	87,000	88,000	78,000	78,000	60,000
Other	70,000	53,000	65,000	97,000	D	62,000	D	110,000	D
Biological/medical scientists	56,000	46,000	60,000	60,000	75,000	67,000	73,000	59,000	68,000
Hispanic or Latino	49,000	46,000	37,000	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	61,000	46,000	65,000	79,000	D	67,000	54,000	D	D
Black or African American	60,000	45,000	D	D	D	D	D	D	D
White	56,000	42,000	56,000	52,000	73,000	67,000	72,000	50,000	55,000
Other	69,000	D	D	D	D	D	D	D	D

TABLE 16. Median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, ethnicity, race, and years since highest degree: 2008
(Dollars)

Level of highest degree, occupation, ethnicity, and race[a]	Employed scientists and engineers	Years since highest degree							
		<5 years	5–9 years	10–14 years	15–19 years	20–24 years	25–29 years	30–34 years	35+ years
Environmental life scientists	56,000	54,000	56,000	47,000	45,000	63,000	63,000	D	D
Hispanic or Latino	D	D	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	58,000	35,000	D	D	D	D	D	D	D
Black or African American	D	D	D	D	D	D	D	D	D
White	50,000	35,000	62,000	47,000	D	63,000	74,000	D	D
Other	D	D	D	D	D	D	D	D	D
Postsecondary teachers-life/ related sciences	62,000	47,000	65,000	72,000	81,000	75,000	73,000	70,000	72,000
Hispanic or Latino	47,000	46,000	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	63,000	50,000	65,000	79,000	D	67,000	D	D	D
Black or African American	71,000	50,000	D	D	D	D	D	D	D
White	62,000	42,000	60,000	65,000	81,000	83,000	71,000	69,000	S
Other	70,000	D	D	D	D	D	D	D	D
Computer/mathematical scientists	55,000	49,000	54,000	D	D	54,000	60,000	D	D
Hispanic or Latino	D	D	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	D	D	D	D	D	D	D	D	D
Black or African American	D	D	D	D	D	D	D	D	D
White	58,000	49,000	54,000	D	D	54,000	60,000	D	D
Other	D	D	D	D	D	D	D	D	D
Computer/information scientists	41,000	18,000	37,000	41,000	49,000	D	D	D	S
Hispanic or Latino	24,000	19,000	27,000	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	15,000	14,000	D	D	D	D	D	D	D
Black or African American	D	D	D	D	D	D	D	D	D
White	42,000	24,000	S	40,000	49,000	D	D	D	39,000
Other	D	D	D	D	D	D	D	D	D
Mathematical scientists	89,000	75,000	86,000	97,000	99,000	95,000	93,000	86,000	63,000
Hispanic or Latino	84,000	82,000	74,000	90,000	89,000	76,000	77,000	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	55,000	D	D	D	D	D	D	D	D
Asian	90,000	80,000	90,000	96,000	106,000	100,000	87,000	93,000	80,000
Black or African American	80,000	75,000	79,000	88,000	93,000	80,000	76,000	D	D
White	88,000	71,000	80,000	98,000	93,000	94,000	98,000	85,000	60,000
Other	78,000	71,000	68,000	99,000	D	D	D	D	D
Postsecondary teachers-computer/ mathematical sciences	91,000	79,000	89,000	98,000	100,000	100,000	98,000	91,000	86,000
Hispanic or Latino	90,000	93,000	75,000	96,000	89,000	D	92,000	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	90,000	80,000	90,000	97,000	107,000	100,000	98,000	92,000	87,000
Black or African American	85,000	77,000	87,000	88,000	98,000	78,000	D	D	D
White	92,000	75,000	85,000	98,000	96,000	100,000	99,000	90,000	68,000
Other	79,000	80,000	68,000	99,000	D	D	D	D	D

TABLE 16. Median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, ethnicity, race, and years since highest degree: 2008
(Dollars)

Level of highest degree, occupation, ethnicity, and race[a]	Employed scientists and engineers	Years since highest degree							
		<5 years	5–9 years	10–14 years	15–19 years	20–24 years	25–29 years	30–34 years	35+ years
Physical/related scientists	85,000	73,000	74,000	101,000	84,000	99,000	99,000	D	99,000
Hispanic or Latino	72,000	71,000	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	77,000	72,000	84,000	88,000	D	70,000	D	D	D
Black or African American	74,000	54,000	D	D	D	D	D	D	D
White	89,000	85,000	72,000	103,000	84,000	102,000	101,000	D	100,000
Other	D	D	D	D	D	D	D	D	D
Chemists, except biochemists	38,000	22,000	44,000	51,000	48,000	41,000	42,000	S	23,000
Hispanic or Latino	35,000	34,000	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	19,000	18,000	D	D	D	D	D	D	D
Black or African American	45,000	S	D	D	D	D	D	D	D
White	37,000	21,000	47,000	54,000	48,000	40,000	22,000	S	24,000
Other	D	D	D	D	D	D	D	D	D
Earth/atmospheric/ocean scientists	68,000	38,000	62,000	65,000	80,000	96,000	81,000	81,000	66,000
Hispanic or Latino	63,000	24,000	58,000	D	74,000	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	51,000	24,000	62,000	44,000	79,000	D	D	D	90,000
Black or African American	53,000	S	72,000	D	D	D	D	D	D
White	70,000	41,000	63,000	70,000	84,000	98,000	75,000	96,000	58,000
Other	51,000	27,000	47,000	D	D	D	D	D	D
Physicists/astronomers	70,000	51,000	65,000	47,000	79,000	85,000	71,000	79,000	101,000
Hispanic or Latino	61,000	37,000	56,000	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	61,000	S	64,000	44,000	80,000	D	D	D	D
Black or African American	72,000	51,000	74,000	D	D	D	D	D	D
White	75,000	51,000	68,000	89,000	76,000	D	D	85,000	102,000
Other	D	D	D	D	D	D	D	D	D
Postsecondary teachers-physical/ related sciences	84,000	47,000	71,000	82,000	92,000	102,000	83,000	99,000	75,000
Hispanic or Latino	100,000	D	58,000	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	54,000	S	50,000	D	D	D	D	D	D
Black or African American	D	D	D	D	D	D	D	D	D
White	84,000	47,000	72,000	80,000	94,000	102,000	76,000	103,000	74,000
Other	D	D	D	D	D	D	D	D	D
Other physical/related scientists	50,000	23,000	S	D	D	D	D	D	D
Hispanic or Latino	30,000	25,000	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	D	D	D	D	D	D	D	D	D
Black or African American	16,000	16,000	D	D	D	D	D	D	D
White	72,000	26,000	78,000	D	D	D	D	D	D
Other	D	D	D	D	D	D	D	D	D

TABLE 16. Median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, ethnicity, race, and years since highest degree: 2008
(Dollars)

Level of highest degree, occupation, ethnicity, and race[a]	Employed scientists and engineers	Years since highest degree							
		<5 years	5–9 years	10–14 years	15–19 years	20–24 years	25–29 years	30–34 years	35+ years
Social/related scientists	21,000	19,000	S	D	D	82,000	D	S	D
Hispanic or Latino	19,000	17,000	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	D	18,000	D	D	D	D	D	D	D
Black or African American	22,000	22,000	D	D	D	D	D	D	D
White	S	19,000	S	D	D	82,000	D	S	D
Other	D	D	D	D	D	D	D	D	D
Economists	67,000	48,000	58,000	66,000	90,000	D	D	D	D
Hispanic or Latino	D	D	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	D	D	D	D	D	D	D	D	D
Black or African American	D	D	D	D	D	D	D	D	D
White	67,000	48,000	52,000	63,000	90,000	D	D	D	D
Other	D	D	D	D	D	D	D	D	D
Political/related scientists	58,000	41,000	58,000	68,000	69,000	70,000	65,000	70,000	64,000
Hispanic or Latino	52,000	44,000	49,000	D	58,000	60,000	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	58,000	25,000	68,000	72,000	80,000	D	D	D	D
Black or African American	57,000	52,000	59,000	D	D	D	D	D	D
White	59,000	40,000	58,000	63,000	78,000	70,000	64,000	70,000	63,000
Other	47,000	46,000	D	D	D	D	D	D	D
Postsecondary teachers-social/ related sciences	91,000	58,000	70,000	133,000	99,000	D	S	D	51,000
Hispanic or Latino	58,000	57,000	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	67,000	S	D	D	D	D	D	D	D
Black or African American	58,000	58,000	D	D	D	D	D	D	D
White	110,000	50,000	87,000	125,000	99,000	D	S	D	51,000
Other	D	D	D	D	D	D	D	D	D
Psychologists	80,000	47,000	D	D	D	D	D	D	D
Hispanic or Latino	33,000	33,000	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	D	D	D	D	D	D	D	D	D
Black or African American	57,000	57,000	D	D	D	D	D	D	D
White	81,000	47,000	D	D	D	D	D	D	D
Other	D	D	D	D	D	D	D	D	D
Sociologists/anthropologists	24,000	15,000	S	S	47,000	50,000	38,000	D	S
Hispanic or Latino	40,000	15,000	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	19,000	15,000	D	D	D	D	D	D	D
Black or African American	S	S	D	D	D	D	D	D	D
White	20,000	15,000	S	S	S	49,000	37,000	D	S
Other	29,000	D	D	D	D	D	D	D	D

TABLE 16. Median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, ethnicity, race, and years since highest degree: 2008
(Dollars)

Level of highest degree, occupation, ethnicity, and race[a]	Employed scientists and engineers	Years since highest degree							
		<5 years	5–9 years	10–14 years	15–19 years	20–24 years	25–29 years	30–34 years	35+ years
Other social/related scientists	53,000	42,000	51,000	57,000	57,000	59,000	64,000	59,000	49,000
Hispanic or Latino	52,000	41,000	49,000	D	55,000	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	47,000	S	D	D	D	D	D	D	D
Black or African American	57,000	52,000	59,000	D	D	D	D	D	D
White	53,000	42,000	50,000	53,000	58,000	60,000	62,000	59,000	49,000
Other	S	D	D	D	D	D	D	D	D
Engineering occupations	45,000	20,000	57,000	D	D	D	D	D	D
Hispanic or Latino	43,000	40,000	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	D	D	D	D	D	D	D	D	D
Black or African American	S	S	D	D	D	D	D	D	D
White	48,000	19,000	D	D	D	D	D	D	D
Other	D	D	D	D	D	D	D	D	D
Aerospace/aeronautical/astronautical engineers	84,000	49,000	65,000	80,000	99,000	D	90,000	107,000	154,000
Hispanic or Latino	62,000	66,000	39,000	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	83,000	49,000	100,000	D	D	D	D	D	D
Black or African American	S	47,000	D	D	D	D	D	D	D
White	92,000	49,000	64,000	81,000	101,000	D	89,000	108,000	155,000
Other	38,000	D	D	D	D	D	D	D	D
Chemical engineers	92,000	72,000	91,000	95,000	100,000	106,000	102,000	100,000	98,000
Hispanic or Latino	84,000	64,000	88,000	92,000	120,000	D	89,000	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	74,000	D	D	D	D	D	D	D	D
Asian	89,000	72,000	90,000	102,000	100,000	103,000	112,000	99,000	100,000
Black or African American	86,000	75,000	86,000	90,000	99,000	D	D	D	D
White	95,000	75,000	94,000	95,000	102,000	106,000	102,000	100,000	97,000
Other	86,000	70,000	95,000	90,000	D	D	D	D	D
Civil/architectural/sanitary engineers	100,000	74,000	96,000	100,000	119,000	115,000	127,000	110,000	115,000
Hispanic or Latino	79,000	61,000	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	79,000	62,000	100,000	D	99,000	D	D	D	D
Black or African American	96,000	67,000	D	D	D	D	D	D	D
White	104,000	85,000	96,000	99,000	D	117,000	129,000	110,000	115,000
Other	97,000	D	D	D	D	D	D	D	D
Electrical/computer hardware engineers	103,000	74,000	108,000	103,000	93,000	130,000	100,000	99,000	117,000
Hispanic or Latino	S	73,000	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	105,000	68,000	D	D	D	D	D	108,000	D
Black or African American	D	D	D	D	D	D	D	D	D
White	99,000	80,000	102,000	95,000	93,000	130,000	100,000	D	125,000
Other	D	D	D	D	D	D	D	D	D
Industrial engineers	87,000	65,000	80,000	90,000	95,000	109,000	99,000	88,000	83,000
Hispanic or Latino	85,000	63,000	92,000	D	D	D	D	D	D

TABLE 16. Median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, ethnicity, race, and years since highest degree: 2008
(Dollars)

Level of highest degree, occupation, ethnicity, and race[a]	Employed scientists and engineers	Years since highest degree							
		<5 years	5–9 years	10–14 years	15–19 years	20–24 years	25–29 years	30–34 years	35+ years
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	84,000	75,000	80,000	79,000	87,000	D	99,000	80,000	88,000
Black or African American	83,000	68,000	D	D	D	D	D	D	D
White	89,000	60,000	80,000	90,000	95,000	108,000	95,000	89,000	76,000
Other	79,000	64,000	D	D	D	D	D	D	D
Mechanical engineers	100,000	80,000	99,000	105,000	104,000	118,000	108,000	100,000	103,000
Hispanic or Latino	87,000	65,000	66,000	85,000	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	98,000	80,000	95,000	108,000	100,000	119,000	114,000	97,000	D
Black or African American	89,000	72,000	100,000	92,000	D	D	D	D	D
White	100,000	80,000	100,000	104,000	104,000	113,000	108,000	101,000	101,000
Other	90,000	71,000	D	D	D	D	D	D	D
Postsecondary teachers-engineering	90,000	72,000	96,000	92,000	95,000	97,000	S	80,000	D
Hispanic or Latino	75,000	61,000	S	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	69,000	61,000	D	D	D	D	D	D	D
Black or African American	90,000	D	D	D	D	D	D	D	D
White	94,000	89,000	95,000	95,000	86,000	101,000	D	78,000	D
Other	D	D	D	D	D	D	D	D	D
Other engineers	90,000	75,000	89,000	91,000	100,000	91,000	102,000	105,000	86,000
Hispanic or Latino	96,000	73,000	94,000	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	80,000	75,000	81,000	90,000	93,000	95,000	92,000	93,000	D
Black or African American	99,000	84,000	D	D	D	D	D	D	D
White	90,000	75,000	92,000	87,000	101,000	90,000	99,000	100,000	85,000
Other	85,000	62,000	95,000	D	D	D	D	D	D
S&E-related occupations	54,000	19,000	73,000	D	D	55,000	D	D	D
Hispanic or Latino	29,000	21,000	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	17,000	17,000	D	D	D	D	D	D	D
Black or African American	13,000	S	D	D	D	D	D	D	D
White	58,000	S	70,000	D	D	56,000	D	D	D
Other	D	D	D	D	D	D	D	D	D
Health occupations	86,000	68,000	82,000	84,000	100,000	106,000	97,000	105,000	64,000
Hispanic or Latino	79,000	57,000	86,000	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	80,000	64,000	78,000	80,000	84,000	97,000	D	D	D
Black or African American	84,000	54,000	76,000	D	D	D	D	D	D
White	93,000	73,000	85,000	84,000	105,000	107,000	95,000	105,000	61,000
Other	69,000	S	D	D	D	D	D	D	D
S&E managers, including health	67,000	60,000	64,000	70,000	70,000	69,000	75,000	74,000	70,000
Hispanic or Latino	69,000	70,000	62,000	68,000	70,000	71,000	53,000	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	58,000	D	D	D	D	D	D	D	D

TABLE 16. Median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, ethnicity, race, and years since highest degree: 2008
(Dollars)

Level of highest degree, occupation, ethnicity, and race[a]	Employed scientists and engineers	Years since highest degree							
		<5 years	5–9 years	10–14 years	15–19 years	20–24 years	25–29 years	30–34 years	35+ years
Asian	80,000	69,000	88,000	90,000	96,000	79,000	78,000	88,000	59,000
Black or African American	64,000	60,000	61,000	74,000	74,000	56,000	62,000	56,000	S
White	65,000	58,000	63,000	68,000	68,000	69,000	76,000	76,000	70,000
Other	62,000	58,000	88,000	74,000	D	63,000	68,000	D	D
S&E precollege teachers	64,000	64,000	68,000	64,000	58,000	60,000	62,000	67,000	57,000
Hispanic or Latino	60,000	66,000	58,000	60,000	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	61,000	D	D	D	D	D	D	D	D
Asian	71,000	72,000	92,000	67,000	72,000	69,000	52,000	94,000	58,000
Black or African American	62,000	61,000	64,000	62,000	67,000	50,000	60,000	D	D
White	63,000	63,000	68,000	65,000	55,000	58,000	64,000	60,000	55,000
Other	63,000	63,000	D	53,000	D	D	D	D	D
S&E technicians/technologists	113,000	99,000	109,000	109,000	119,000	111,000	118,000	116,000	119,000
Hispanic or Latino	102,000	88,000	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	117,000	79,000	112,000	115,000	120,000	140,000	132,000	D	D
Black or African American	102,000	92,000	84,000	D	D	D	D	D	D
White	114,000	104,000	108,000	108,000	116,000	111,000	116,000	119,000	118,000
Other	107,000	D	D	D	D	D	D	D	D
Other S&E-related occupations	55,000	49,000	52,000	59,000	59,000	62,000	68,000	55,000	52,000
Hispanic or Latino	60,000	59,000	D	D	59,000	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	51,000	51,000	D	70,000	D	D	D	D	D
Black or African American	59,000	50,000	50,000	71,000	D	D	D	D	S
White	56,000	48,000	52,000	58,000	59,000	63,000	64,000	58,000	50,000
Other	49,000	37,000	D	D	D	D	D	D	D
Non-S&E occupations	70,000	55,000	73,000	78,000	87,000	61,000	89,000	77,000	69,000
Hispanic or Latino	75,000	44,000	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	78,000	62,000	73,000	93,000	87,000	60,000	96,000	51,000	D
Black or African American	70,000	67,000	D	D	D	D	D	D	D
White	64,000	53,000	63,000	65,000	83,000	S	89,000	84,000	65,000
Other	70,000	D	D	D	D	D	D	D	D
Arts/humanities/related occupations	83,000	54,000	68,000	69,000	86,000	93,000	92,000	99,000	102,000
Hispanic or Latino	68,000	52,000	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	74,000	51,000	63,000	D	D	D	D	D	D
Black or African American	D	D	D	D	D	D	D	D	D
White	85,000	D	68,000	54,000	86,000	90,000	94,000	102,000	102,000
Other	D	D	D	D	D	D	D	D	D
Management-related occupations	63,000	50,000	63,000	70,000	69,000	70,000	70,000	78,000	50,000
Hispanic or Latino	60,000	52,000	57,000	70,000	73,000	70,000	37,000	65,000	55,000
Not Hispanic or Latino									
American Indian or Alaska Native	58,000	53,000	70,000	D	49,000	D	D	D	D
Asian	70,000	60,000	75,000	89,000	72,000	76,000	62,000	64,000	71,000
Black or African American	60,000	47,000	63,000	65,000	65,000	68,000	62,000	54,000	66,000

TABLE 16. Median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, ethnicity, race, and years since highest degree: 2008
(Dollars)

Level of highest degree, occupation, ethnicity, and race[a]	Employed scientists and engineers	Years since highest degree							
		<5 years	5–9 years	10–14 years	15–19 years	20–24 years	25–29 years	30–34 years	35+ years
White	63,000	50,000	62,000	70,000	68,000	69,000	72,000	81,000	49,000
Other	67,000	49,000	81,000	S	65,000	84,000	D	D	61,000
Non-S&E managers	50,000	45,000	56,000	50,000	53,000	49,000	61,000	S	S
Hispanic or Latino	57,000	58,000	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	42,000	42,000	D	D	D	D	D	D	D
Black or African American	S	D	D	D	D	D	D	D	D
White	50,000	47,000	56,000	S	54,000	50,000	63,000	49,000	S
Other	42,000	S	D	D	D	D	D	D	D
Non-S&E postsecondary teachers	85,000	73,000	87,000	99,000	90,000	90,000	84,000	91,000	60,000
Hispanic or Latino	83,000	69,000	74,000	82,000	110,000	70,000	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	S	D	D	D	D	D	D	D	D
Asian	84,000	79,000	96,000	96,000	78,000	91,000	D	81,000	61,000
Black or African American	79,000	71,000	72,000	84,000	D	D	D	62,000	D
White	87,000	70,000	88,000	102,000	90,000	89,000	87,000	99,000	59,000
Other	68,000	64,000	D	D	D	D	D	D	D
Non-S&E precollege/other teachers	112,000	88,000	98,000	115,000	134,000	141,000	115,000	115,000	111,000
Hispanic or Latino	100,000	70,000	99,000	100,000	D	D	D	92,000	D
Not Hispanic or Latino									
American Indian or Alaska Native	70,000	D	D	D	D	D	D	D	D
Asian	117,000	102,000	100,000	121,000	140,000	165,000	120,000	D	89,000
Black or African American	90,000	67,000	96,000	81,000	D	91,000	D	D	D
White	115,000	89,000	94,000	116,000	138,000	145,000	112,000	120,000	118,000
Other	124,000	87,000	D	109,000	D	D	D	D	D
Sales/marketing occupations	38,000	19,000	40,000	41,000	S	S	55,000	S	S
Hispanic or Latino	56,000	54,000	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	16,000	16,000	S	D	D	D	D	D	D
Black or African American	41,000	S	D	D	D	D	D	D	D
White	38,000	18,000	40,000	48,000	S	S	54,000	45,000	S
Other	D	D	D	D	D	D	D	D	D
Social services/related occupations	50,000	47,000	51,000	52,000	50,000	55,000	57,000	60,000	S
Hispanic or Latino	46,000	46,000	45,000	D	D	D	S	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	43,000	46,000	50,000	S	S	D	D	D	D
Black or African American	49,000	48,000	48,000	D	S	68,000	D	D	D
White	51,000	47,000	53,000	53,000	51,000	54,000	63,000	62,000	S
Other	51,000	D	D	D	D	D	D	D	D
Other non-S&E occupations	85,000	72,000	99,000	100,000	89,000	84,000	90,000	64,000	39,000
Hispanic or Latino	69,000	70,000	84,000	60,000	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	80,000	75,000	88,000	94,000	S	76,000	S	D	81,000
Black or African American	S	93,000	D	D	D	D	D	D	D
White	87,000	67,000	100,000	100,000	98,000	98,000	91,000	66,000	37,000
Other	77,000	S	D	D	D	D	D	D	D

TABLE 16. Median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, ethnicity, race, and years since highest degree: 2008
(Dollars)

Level of highest degree, occupation, ethnicity, and race[a]	Employed scientists and engineers	Years since highest degree							
		<5 years	5–9 years	10–14 years	15–19 years	20–24 years	25–29 years	30–34 years	35+ years
Doctoral degrees, all occupations	47,000	42,000	48,000	51,000	50,000	48,000	55,000	49,000	37,000
Hispanic or Latino	54,000	41,000	52,000	62,000	60,000	D	38,000	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	51,000	52,000	D	D	D	D	D	D	D
Asian	49,000	47,000	40,000	60,000	76,000	D	D	D	D
Black or African American	51,000	38,000	54,000	59,000	56,000	49,000	41,000	D	D
White	45,000	42,000	47,000	47,000	45,000	48,000	55,000	48,000	36,000
Other	47,000	44,000	48,000	D	D	D	D	D	D
S&E occupations	45,000	43,000	49,000	57,000	58,000	40,000	42,000	30,000	31,000
Hispanic or Latino	45,000	31,000	S	80,000	47,000	S	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	51,000	D	D	D	D	D	D	D	D
Asian	41,000	40,000	73,000	35,000	50,000	36,000	33,000	35,000	S
Black or African American	51,000	40,000	63,000	53,000	S	D	D	D	D
White	44,000	44,000	46,000	58,000	58,000	39,000	42,000	29,000	23,000
Other	68,000	65,000	D	D	D	D	D	D	D
Science occupations	D	D	D	D	D	D	D	D	D
Hispanic or Latino	D	D	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	D	D	D	D	D	D	D	D	D
Black or African American	D	D	D	D	D	D	D	D	D
White	D	D	D	D	D	D	D	D	D
Other	D	D	D	D	D	D	D	D	D
Biological/agricultural/other life scientists	90,000	65,000	80,000	92,000	96,000	104,000	102,000	110,000	99,000
Hispanic or Latino	75,000	53,000	82,000	80,000	94,000	92,000	D	80,000	132,000
Not Hispanic or Latino									
American Indian or Alaska Native	69,000	67,000	60,000	79,000	75,000	91,000	D	D	D
Asian	94,000	75,000	91,000	101,000	106,000	108,000	109,000	100,000	100,000
Black or African American	75,000	68,000	73,000	70,000	94,000	87,000	98,000	96,000	90,000
White	90,000	63,000	80,000	90,000	95,000	103,000	103,000	114,000	99,000
Other	75,000	65,000	69,000	71,000	88,000	113,000	126,000	100,000	97,000
Agricultural/food scientists	86,000	65,000	80,000	90,000	96,000	100,000	100,000	102,000	97,000
Hispanic or Latino	79,000	58,000	80,000	79,000	91,000	96,000	80,000	101,000	93,000
Not Hispanic or Latino									
American Indian or Alaska Native	69,000	67,000	59,000	93,000	92,000	D	D	D	D
Asian	90,000	75,000	90,000	100,000	101,000	105,000	108,000	103,000	91,000
Black or African American	72,000	60,000	70,000	74,000	94,000	92,000	86,000	78,000	89,000
White	86,000	60,000	75,000	90,000	95,000	100,000	100,000	103,000	98,000
Other	72,000	57,000	75,000	63,000	83,000	109,000	103,000	100,000	34,000
Biological/medical scientists	81,000	60,000	74,000	85,000	90,000	97,000	100,000	100,000	95,000
Hispanic or Latino	73,000	55,000	69,000	75,000	86,000	92,000	84,000	101,000	S
Not Hispanic or Latino									
American Indian or Alaska Native	68,000	55,000	59,000	89,000	82,000	D	D	D	D
Asian	85,000	67,000	85,000	96,000	98,000	94,000	100,000	97,000	73,000
Black or African American	70,000	58,000	68,000	69,000	93,000	91,000	81,000	76,000	89,000
White	82,000	58,000	72,000	84,000	89,000	97,000	100,000	100,000	97,000
Other	67,000	56,000	74,000	62,000	83,000	105,000	81,000	99,000	31,000

TABLE 16. Median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, ethnicity, race, and years since highest degree: 2008
(Dollars)

Level of highest degree, occupation, ethnicity, and race[a]	Employed scientists and engineers	Years since highest degree							
		<5 years	5–9 years	10–14 years	15–19 years	20–24 years	25–29 years	30–34 years	35+ years
Environmental life scientists	80,000	46,000	70,000	83,000	90,000	100,000	106,000	100,000	100,000
Hispanic or Latino	71,000	45,000	61,000	75,000	81,000	92,000	86,000	108,000	122,000
Not Hispanic or Latino									
American Indian or Alaska Native	57,000	D	D	D	D	D	D	D	D
Asian	78,000	44,000	70,000	93,000	87,000	72,000	113,000	89,000	70,000
Black or African American	72,000	49,000	63,000	S	D	77,000	89,000	D	D
White	80,000	50,000	72,000	83,000	89,000	108,000	105,000	102,000	100,000
Other	62,000	39,000	69,000	62,000	88,000	107,000	80,000	D	D
Postsecondary teachers-life/ related sciences	85,000	64,000	73,000	84,000	94,000	92,000	91,000	105,000	91,000
Hispanic or Latino	80,000	66,000	71,000	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	71,000	58,000	D	78,000	D	D	D	D	D
Black or African American	91,000	49,000	61,000	92,000	D	D	D	D	D
White	85,000	65,000	75,000	84,000	90,000	93,000	94,000	105,000	82,000
Other	91,000	D	D	D	D	D	D	D	D
Computer/mathematical scientists	81,000	45,000	75,000	95,000	99,000	109,000	124,000	117,000	100,000
Hispanic or Latino	78,000	47,000	62,000	78,000	103,000	128,000	D	S	134,000
Not Hispanic or Latino									
American Indian or Alaska Native	57,000	D	D	D	D	D	D	D	D
Asian	79,000	43,000	74,000	97,000	87,000	91,000	113,000	93,000	S
Black or African American	95,000	48,000	64,000	147,000	D	82,000	D	96,000	D
White	83,000	46,000	75,000	95,000	100,000	115,000	125,000	121,000	100,000
Other	62,000	38,000	72,000	90,000	91,000	D	D	D	D
Computer/information scientists	81,000	41,000	74,000	73,000	84,000	109,000	D	D	S
Hispanic or Latino	70,000	D	53,000	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	50,000	D	D	D	D	D	D	D	D
Black or African American	D	D	D	D	D	D	D	D	D
White	83,000	41,000	79,000	73,000	D	109,000	D	D	D
Other	D	D	D	D	D	D	D	D	D
Mathematical scientists	70,000	51,000	61,000	64,000	73,000	81,000	87,000	86,000	102,000
Hispanic or Latino	65,000	33,000	58,000	67,000	81,000	D	D	S	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	70,000	47,000	63,000	69,000	85,000	D	D	69,000	S
Black or African American	60,000	59,000	59,000	37,000	D	60,000	D	D	D
White	72,000	52,000	60,000	66,000	70,000	89,000	84,000	89,000	102,000
Other	62,000	D	D	D	D	D	D	D	D
Postsecondary teachers-computer/ mathematical sciences	95,000	80,000	90,000	100,000	102,000	103,000	98,000	101,000	99,000
Hispanic or Latino	89,000	59,000	89,000	94,000	98,000	79,000	72,000	D	88,000
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	95,000	82,000	100,000	100,000	99,000	108,000	101,000	83,000	85,000
Black or African American	75,000	69,000	89,000	D	94,000	70,000	93,000	72,000	78,000
White	95,000	77,000	83,000	100,000	106,000	102,000	97,000	104,000	99,000
Other	91,000	67,000	95,000	D	D	92,000	D	D	D

TABLE 16. Median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, ethnicity, race, and years since highest degree: 2008
(Dollars)

Level of highest degree, occupation, ethnicity, and race[a]	Employed scientists and engineers	Years since highest degree							
		<5 years	5–9 years	10–14 years	15–19 years	20–24 years	25–29 years	30–34 years	35+ years
Physical/related scientists	104,000	91,000	99,000	109,000	110,000	119,000	100,000	119,000	100,000
Hispanic or Latino	115,000	75,000	D	116,000	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	100,000	86,000	103,000	103,000	105,000	119,000	102,000	108,000	S
Black or African American	115,000	88,000	96,000	D	D	D	D	D	D
White	105,000	92,000	87,000	117,000	111,000	119,000	96,000	116,000	100,000
Other	106,000	75,000	115,000	D	D	D	D	D	D
Chemists, except biochemists	100,000	85,000	110,000	101,000	126,000	93,000	122,000	119,000	104,000
Hispanic or Latino	90,000	68,000	97,000	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	94,000	86,000	109,000	112,000	82,000	90,000	D	D	D
Black or African American	92,000	D	92,000	D	D	D	D	D	D
White	101,000	84,000	112,000	99,000	131,000	93,000	124,000	119,000	107,000
Other	61,000	D	D	D	D	D	D	D	D
Earth/atmospheric/ocean scientists	74,000	59,000	73,000	76,000	80,000	84,000	90,000	89,000	83,000
Hispanic or Latino	73,000	58,000	78,000	57,000	68,000	D	D	D	88,000
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	79,000	65,000	77,000	80,000	81,000	102,000	96,000	62,000	74,000
Black or African American	69,000	68,000	65,000	71,000	D	D	D	D	78,000
White	73,000	54,000	71,000	75,000	80,000	81,000	90,000	95,000	86,000
Other	60,000	55,000	D	D	D	D	D	D	D
Physicists/astronomers	87,000	61,000	80,000	91,000	97,000	100,000	100,000	108,000	89,000
Hispanic or Latino	76,000	53,000	80,000	77,000	95,000	96,000	82,000	79,000	95,000
Not Hispanic or Latino									
American Indian or Alaska Native	108,000	D	D	D	D	D	D	D	D
Asian	84,000	60,000	89,000	99,000	99,000	98,000	75,000	110,000	71,000
Black or African American	69,000	51,000	65,000	68,000	D	105,000	55,000	87,000	D
White	89,000	63,000	78,000	89,000	97,000	100,000	106,000	108,000	94,000
Other	71,000	66,000	78,000	60,000	69,000	D	D	D	D
Postsecondary teachers-physical/ related sciences	99,000	69,000	98,000	107,000	108,000	113,000	117,000	111,000	87,000
Hispanic or Latino	90,000	53,000	91,000	94,000	114,000	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	93,000	57,000	99,000	103,000	99,000	94,000	98,000	61,000	82,000
Black or African American	80,000	61,000	77,000	D	D	D	D	D	D
White	102,000	71,000	97,000	115,000	110,000	116,000	119,000	116,000	84,000
Other	62,000	D	93,000	D	D	D	D	D	D
Other physical/related scientists	90,000	65,000	74,000	99,000	101,000	109,000	106,000	120,000	100,000
Hispanic or Latino	79,000	55,000	69,000	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	74,000	62,000	75,000	87,000	97,000	79,000	D	D	D
Black or African American	D	D	D	D	D	D	D	D	D
White	95,000	65,000	75,000	100,000	99,000	115,000	126,000	116,000	119,000
Other	68,000	D	45,000	D	D	D	D	D	D

TABLE 16. Median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, ethnicity, race, and years since highest degree: 2008
(Dollars)

Level of highest degree, occupation, ethnicity, and race[a]	Employed scientists and engineers	Years since highest degree							
		<5 years	5–9 years	10–14 years	15–19 years	20–24 years	25–29 years	30–34 years	35+ years
Social/related scientists	103,000	56,000	97,000	110,000	122,000	124,000	120,000	120,000	94,000
Hispanic or Latino	73,000	53,000	D	118,000	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	78,000	53,000	87,000	D	130,000	105,000	S	D	D
Black or African American	S	D	D	D	D	D	D	D	D
White	107,000	60,000	100,000	109,000	122,000	126,000	122,000	120,000	113,000
Other	82,000	D	D	D	D	D	D	D	D
Economists	71,000	53,000	61,000	71,000	75,000	80,000	78,000	95,000	84,000
Hispanic or Latino	64,000	51,000	74,000	63,000	79,000	72,000	62,000	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	71,000	56,000	58,000	77,000	82,000	82,000	84,000	113,000	72,000
Black or African American	62,000	47,000	55,000	68,000	D	D	D	81,000	D
White	72,000	53,000	62,000	70,000	75,000	80,000	79,000	91,000	85,000
Other	69,000	66,000	D	D	D	D	D	D	D
Political/related scientists	90,000	88,000	99,000	86,000	113,000	118,000	D	97,000	80,000
Hispanic or Latino	105,000	D	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	80,000	88,000	D	74,000	D	D	D	D	D
Black or African American	81,000	D	D	D	D	D	D	D	D
White	96,000	88,000	97,000	89,000	113,000	106,000	149,000	97,000	D
Other	D	D	D	D	D	D	D	D	D
Postsecondary teachers-social/ related sciences	73,000	58,000	65,000	71,000	80,000	87,000	85,000	94,000	89,000
Hispanic or Latino	69,000	62,000	63,000	72,000	81,000	85,000	85,000	83,000	D
Not Hispanic or Latino									
American Indian or Alaska Native	60,000	D	59,000	60,000	D	D	D	D	D
Asian	76,000	63,000	68,000	62,000	156,000	80,000	91,000	87,000	D
Black or African American	69,000	58,000	68,000	67,000	70,000	86,000	84,000	91,000	S
White	75,000	56,000	66,000	72,000	79,000	87,000	85,000	94,000	90,000
Other	65,000	62,000	66,000	D	64,000	103,000	S	94,000	47,000
Psychologists	119,000	87,000	118,000	125,000	138,000	146,000	156,000	141,000	64,000
Hispanic or Latino	118,000	118,000	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	95,000	D	102,000	95,000	136,000	D	D	D	D
Black or African American	93,000	76,000	D	D	D	D	D	D	D
White	126,000	89,000	122,000	125,000	138,000	145,000	157,000	150,000	67,000
Other	105,000	D	D	D	D	D	D	D	D
Sociologists/anthropologists	96,000	D	86,000	90,000	103,000	D	D	D	D
Hispanic or Latino	D	D	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	72,000	D	D	D	D	D	D	D	D
Black or African American	D	D	D	D	D	D	D	D	D
White	99,000	D	81,000	D	102,000	D	D	D	D
Other	D	D	D	D	D	D	D	D	D

TABLE 16. Median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, ethnicity, race, and years since highest degree: 2008
(Dollars)

Level of highest degree, occupation, ethnicity, and race[a]	Employed scientists and engineers	Years since highest degree							
		<5 years	5–9 years	10–14 years	15–19 years	20–24 years	25–29 years	30–34 years	35+ years
Other social/related scientists	70,000	56,000	60,000	67,000	74,000	82,000	82,000	92,000	95,000
Hispanic or Latino	65,000	59,000	60,000	66,000	74,000	76,000	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	57,000	D	D	D	D	D	D	D	D
Asian	70,000	59,000	64,000	64,000	138,000	71,000	83,000	85,000	D
Black or African American	67,000	62,000	69,000	63,000	67,000	86,000	74,000	94,000	D
White	70,000	55,000	58,000	68,000	73,000	82,000	82,000	91,000	95,000
Other	64,000	64,000	61,000	D	D	D	D	89,000	D
Engineering occupations	74,000	57,000	71,000	73,000	79,000	84,000	80,000	90,000	72,000
Hispanic or Latino	63,000	60,000	66,000	55,000	73,000	94,000	62,000	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	79,000	D	D	D	D	D	D	D	D
Asian	81,000	D	68,000	89,000	81,000	S	D	D	D
Black or African American	71,000	56,000	63,000	74,000	74,000	75,000	87,000	65,000	D
White	75,000	55,000	73,000	73,000	79,000	84,000	80,000	92,000	74,000
Other	73,000	57,000	74,000	93,000	D	D	D	D	D
Aerospace/aeronautical/astronautical engineers	76,000	53,000	70,000	76,000	115,000	104,000	109,000	101,000	S
Hispanic or Latino	89,000	D	65,000	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	78,000	S	D	D	D	D	D	D	D
Black or African American	S	36,000	D	D	D	D	D	D	D
White	76,000	60,000	72,000	77,000	91,000	106,000	109,000	101,000	S
Other	65,000	60,000	D	D	D	D	D	D	D
Chemical engineers	81,000	62,000	83,000	81,000	91,000	103,000	82,000	89,000	S
Hispanic or Latino	82,000	62,000	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	53,000	D	66,000	S	121,000	D	D	D	D
Black or African American	87,000	63,000	90,000	D	D	D	D	D	D
White	84,000	61,000	84,000	93,000	90,000	105,000	85,000	90,000	S
Other	60,000	D	D	D	D	D	D	D	D
Civil/architectural/sanitary engineers	101,000	84,000	100,000	107,000	116,000	120,000	124,000	120,000	100,000
Hispanic or Latino	98,000	85,000	98,000	111,000	96,000	111,000	75,000	122,000	D
Not Hispanic or Latino									
American Indian or Alaska Native	98,000	D	D	D	D	D	D	D	D
Asian	99,000	82,000	100,000	106,000	110,000	120,000	128,000	116,000	110,000
Black or African American	92,000	85,000	99,000	80,000	103,000	D	D	125,000	D
White	106,000	86,000	100,000	108,000	119,000	121,000	120,000	122,000	99,000
Other	110,000	D	98,000	125,000	73,000	119,000	D	D	D
Electrical/computer hardware engineers	115,000	87,000	108,000	118,000	119,000	129,000	126,000	136,000	D
Hispanic or Latino	98,000	D	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	117,000	D	D	102,000	101,000	126,000	D	D	D
Black or African American	D	D	D	D	D	D	D	D	D
White	116,000	87,000	111,000	122,000	121,000	135,000	123,000	135,000	D
Other	D	D	D	D	D	D	D	D	D
Industrial engineers	104,000	82,000	105,000	102,000	120,000	119,000	103,000	116,000	107,000
Hispanic or Latino	98,000	84,000	D	D	D	D	D	D	D

TABLE 16. Median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, ethnicity, race, and years since highest degree: 2008
(Dollars)

Level of highest degree, occupation, ethnicity, and race[a]	Employed scientists and engineers	Years since highest degree							
		<5 years	5–9 years	10–14 years	15–19 years	20–24 years	25–29 years	30–34 years	35+ years
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	106,000	78,000	104,000	98,000	121,000	119,000	D	D	D
Black or African American	103,000	93,000	D	D	D	D	D	D	D
White	104,000	84,000	102,000	104,000	119,000	113,000	102,000	98,000	107,000
Other	D	D	D	D	D	D	D	D	D
Mechanical engineers	89,000	67,000	84,000	93,000	107,000	119,000	100,000	100,000	102,000
Hispanic or Latino	97,000	76,000	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	75,000	65,000	82,000	S	D	D	D	D	D
Black or African American	D	D	D	D	D	D	D	D	D
White	97,000	67,000	82,000	86,000	113,000	112,000	100,000	D	99,000
Other	D	D	D	D	D	D	D	D	D
Postsecondary teachers-engineering	115,000	100,000	108,000	125,000	120,000	149,000	129,000	123,000	105,000
Hispanic or Latino	110,000	93,000	116,000	D	139,000	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	109,000	98,000	99,000	121,000	111,000	141,000	142,000	121,000	89,000
Black or African American	100,000	96,000	D	D	D	D	D	D	D
White	121,000	101,000	119,000	135,000	126,000	151,000	116,000	122,000	104,000
Other	116,000	D	D	D	D	D	D	D	D
Other engineers	100,000	83,000	96,000	D	D	D	110,000	130,000	D
Hispanic or Latino	80,000	D	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	107,000	D	D	D	D	D	D	D	D
Black or African American	90,000	D	D	D	D	D	D	D	D
White	115,000	D	101,000	D	D	D	110,000	D	D
Other	D	D	D	D	D	D	D	D	D
S&E-related occupations	100,000	84,000	100,000	110,000	107,000	118,000	122,000	114,000	97,000
Hispanic or Latino	99,000	D	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	94,000	83,000	97,000	100,000	101,000	119,000	120,000	D	D
Black or African American	101,000	D	D	D	D	D	D	D	D
White	109,000	94,000	100,000	116,000	124,000	117,000	122,000	115,000	81,000
Other	D	D	D	D	D	D	D	D	D
Health occupations	93,000	77,000	84,000	91,000	99,000	103,000	108,000	115,000	106,000
Hispanic or Latino	95,000	77,000	D	D	93,000	95,000	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	82,000	78,000	82,000	90,000	91,000	99,000	104,000	94,000	96,000
Black or African American	84,000	D	80,000	76,000	106,000	D	D	115,000	D
White	100,000	76,000	82,000	92,000	100,000	104,000	119,000	121,000	107,000
Other	101,000	D	D	D	D	D	D	D	D
S&E managers, including health	100,000	80,000	102,000	101,000	119,000	120,000	125,000	120,000	97,000
Hispanic or Latino	110,000	70,000	100,000	113,000	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D

TABLE 16. Median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, ethnicity, race, and years since highest degree: 2008
(Dollars)

Level of highest degree, occupation, ethnicity, and race[a]	Employed scientists and engineers	Years since highest degree							
		<5 years	5–9 years	10–14 years	15–19 years	20–24 years	25–29 years	30–34 years	35+ years
Asian	94,000	79,000	100,000	107,000	117,000	121,000	129,000	S	101,000
Black or African American	79,000	54,000	100,000	D	D	D	D	D	D
White	104,000	80,000	104,000	100,000	118,000	120,000	120,000	127,000	90,000
Other	112,000	78,000	D	D	D	D	D	D	D
S&E precollege teachers	95,000	62,000	85,000	95,000	100,000	120,000	124,000	135,000	127,000
Hispanic or Latino	78,000	61,000	S	85,000	135,000	110,000	D	61,000	D
Not Hispanic or Latino									
American Indian or Alaska Native	67,000	D	D	D	D	D	D	D	D
Asian	108,000	59,000	90,000	109,000	145,000	108,000	131,000	S	127,000
Black or African American	68,000	53,000	72,000	99,000	102,000	94,000	102,000	S	108,000
White	95,000	63,000	85,000	84,000	94,000	128,000	127,000	149,000	121,000
Other	89,000	66,000	86,000	101,000	96,000	140,000	154,000	D	D
S&E technicians/technologists	85,000	62,000	83,000	94,000	90,000	109,000	129,000	122,000	130,000
Hispanic or Latino	65,000	61,000	D	97,000	115,000	108,000	D	61,000	D
Not Hispanic or Latino									
American Indian or Alaska Native	64,000	D	D	D	D	D	D	D	D
Asian	92,000	51,000	79,000	109,000	164,000	D	D	D	127,000
Black or African American	66,000	60,000	72,000	69,000	115,000	89,000	109,000	S	S
White	85,000	62,000	81,000	86,000	80,000	117,000	140,000	148,000	123,000
Other	71,000	65,000	87,000	75,000	79,000	D	D	D	D
Other S&E-related occupations	139,000	100,000	102,000	127,000	142,000	145,000	150,000	158,000	152,000
Hispanic or Latino	136,000	75,000	123,000	127,000	171,000	167,000	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	133,000	70,000	103,000	130,000	142,000	129,000	115,000	154,000	146,000
Black or African American	111,000	72,000	94,000	117,000	126,000	105,000	D	D	D
White	140,000	127,000	101,000	125,000	140,000	149,000	152,000	157,000	149,000
Other	100,000	D	D	101,000	D	D	D	D	D
Non-S&E occupations	58,000	47,000	62,000	71,000	67,000	D	41,000	43,000	53,000
Hispanic or Latino	76,000	D	51,000	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	75,000	D	D	D	D	D	D	D	D
Black or African American	47,000	44,000	D	D	D	D	D	D	D
White	58,000	D	63,000	71,000	66,000	D	41,000	43,000	53,000
Other	D	D	D	D	D	D	D	D	D
Arts/humanities/related occupations	97,000	79,000	83,000	96,000	91,000	77,000	123,000	S	63,000
Hispanic or Latino	S	D	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	97,000	88,000	103,000	98,000	113,000	D	D	D	D
Black or African American	D	D	D	D	D	D	D	D	D
White	95,000	D	D	D	72,000	93,000	123,000	S	D
Other	D	D	D	D	D	D	D	D	D
Management-related occupations	100,000	D	D	100,000	D	D	D	D	D
Hispanic or Latino	D	D	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	102,000	D	D	D	D	D	D	D	D
Black or African American	D	D	D	D	D	D	D	D	D

TABLE 16. Median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, ethnicity, race, and years since highest degree: 2008
(Dollars)

Level of highest degree, occupation, ethnicity, and race[a]	Employed scientists and engineers	Years since highest degree							
		<5 years	5–9 years	10–14 years	15–19 years	20–24 years	25–29 years	30–34 years	35+ years
White	73,000	D	D	D	D	D	D	D	D
Other	D	D	D	D	D	D	D	D	D
Non-S&E managers	94,000	70,000	84,000	95,000	94,000	109,000	102,000	119,000	100,000
Hispanic or Latino	68,000	45,000	72,000	81,000	90,000	79,000	D	78,000	131,000
Not Hispanic or Latino									
American Indian or Alaska Native	74,000	D	64,000	D	D	D	D	D	D
Asian	101,000	95,000	95,000	129,000	99,000	110,000	99,000	97,000	99,000
Black or African American	80,000	141,000	73,000	69,000	S	77,000	107,000	S	89,000
White	95,000	70,000	88,000	94,000	91,000	108,000	104,000	122,000	99,000
Other	70,000	67,000	52,000	84,000	116,000	91,000	127,000	S	116,000
Non-S&E postsecondary teachers	49,000	26,000	58,000	60,000	70,000	S	94,000	56,000	59,000
Hispanic or Latino	46,000	D	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	S	D	D	D	D	D	D	D	D
Black or African American	59,000	D	D	D	D	D	D	D	D
White	48,000	25,000	58,000	58,000	69,000	S	76,000	64,000	S
Other	D	D	D	D	D	D	D	D	D
Non-S&E precollege/other teachers	115,000	118,000	D	125,000	80,000	115,000	94,000	99,000	92,000
Hispanic or Latino	79,000	104,000	S	102,000	145,000	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	120,000	97,000	137,000	175,000	121,000	137,000	92,000	70,000	D
Black or African American	145,000	D	106,000	87,000	D	110,000	D	94,000	D
White	112,000	92,000	D	118,000	72,000	115,000	98,000	100,000	91,000
Other	102,000	72,000	D	S	D	D	D	D	D
Sales/marketing occupations	137,000	98,000	119,000	109,000	137,000	146,000	150,000	178,000	168,000
Hispanic or Latino	113,000	91,000	108,000	85,000	110,000	129,000	141,000	113,000	130,000
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	124,000	84,000	83,000	166,000	100,000	124,000	109,000	124,000	125,000
Black or African American	99,000	75,000	75,000	70,000	118,000	130,000	155,000	184,000	106,000
White	141,000	99,000	120,000	108,000	139,000	147,000	154,000	179,000	173,000
Other	119,000	D	111,000	D	159,000	D	202,000	D	D
Social services/related occupations	70,000	54,000	63,000	67,000	75,000	94,000	74,000	108,000	90,000
Hispanic or Latino	61,000	D	60,000	62,000	69,000	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	93,000	89,000	100,000	91,000	89,000	D	101,000	D	D
Black or African American	72,000	62,000	63,000	62,000	72,000	75,000	D	73,000	D
White	68,000	50,000	58,000	63,000	72,000	94,000	74,000	110,000	99,000
Other	D	D	D	D	D	D	D	D	D
Other non-S&E occupations	61,000	52,000	46,000	79,000	73,000	52,000	61,000	D	D
Hispanic or Latino	46,000	D	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	D	D	D	D	D	D	D	D	D

TABLE 16. Median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, ethnicity, race, and years since highest degree: 2008

(Dollars)

Level of highest degree, occupation, ethnicity, and race[a]	Employed scientists and engineers	Years since highest degree							
		<5 years	5–9 years	10–14 years	15–19 years	20–24 years	25–29 years	30–34 years	35+ years
Black or African American	49,000	D	D	D	D	D	D	D	D
White	72,000	61,000	28,000	79,000	66,000	40,000	61,000	D	D
Other	S	D	D	D	D	D	D	D	D

D = suppressed to avoid disclosure of confidential information. S = suppressed for reliability; coefficient of variation exceeds publication standards.

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/occ03maj.html for detailed description of occupational classification. Salaries are for principal job and rounded to nearest thousand

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

Appendix. Technical Notes

The Scientists and Engineers Statistical Data System (SESTAT) comprises three demographic surveys of scientists and engineers sponsored by the National Science Foundation (NSF): the National Survey of College Graduates (NSCG), the National Survey of Recent College Graduates (NSRCG), and the Survey of Doctorate Recipients (SDR). The three component surveys are conducted every 2–3 years and use similar questionnaires, survey reference dates, data collection periods, and data-processing procedures to facilitate integration for SESTAT. The three surveys are designed to provide maximum coverage of the target population—namely, scientists and engineers—with special emphasis given to relatively rare populations (e.g., doctorate recipients, recent graduates, and minorities). Overall, SESTAT provides a comprehensive picture of the number and characteristics of individuals in the United States with a bachelor's-level or higher degree and their employment, with a focus on those having science and engineering (S&E) degrees or working in S&E occupations. In the 2000s, this definition was expanded to include S&E-related degrees and occupations.

Target Population and Coverage

The 2008 SESTAT target population includes individuals who had the following characteristics as of the component surveys' reference week of 1 October 2008:

- Were living in the United States (the 50 states, District of Columbia, Puerto Rico or another U.S. territory)
- Were not institutionalized
- Were 75 years of age or younger
- Received a bachelor's or higher degree in an S&E field or an S&E-related field or received a bachelor's or higher degree in a non-S&E field but worked in an S&E or S&E-related occupation

Individuals not covered:

- Those who received a bachelor's degree or higher in an S&E or S&E-related field between 1 July 2007 and the reference date of the surveys (1 October 2008)
- Those who received their first bachelor's degree in a non-S&E field between 1 April 2000 and 1 October 2008 but who worked in an S&E or S&E-related occupation on the survey reference date.
- Those whose postsecondary degrees are all from foreign institutions who entered the United States after 1 April 2000

Because the 2008 SESTAT was created from three component surveys, cases identified in one component survey might also be eligible for another survey. This frame characteristic is referred to as multiplicity. For example, a U.S. resident who received a bachelor's degree before 1 April 2000, completed a master's degree in an S&E field in July 2003, and then earned an S&E doctoral degree in June 2007 had a probability of selection for each of the three component surveys in 2008. Consequently, SESTAT uses a unique linkage rule when integrating the component sample surveys in which each survey sample member is weighted according to the frame developed for that survey. Next, a series of overlap variables is calculated and assessed to identify cases that are eligible for more than one survey. To remove these multiple selection opportunities, each case within the SESTAT target population is uniquely linked to one and only one component survey; that individual is included in the SESTAT integrated file only when he or she is selected for that linked survey.

Component Surveys

The 2008 National Survey of College Graduates

NSCG has been conducted by the U.S. Bureau of the Census on behalf of NSF in its current form since 1993 and is the largest of the three component surveys, representing approximately 90% of the SESTAT target population. NSCG is used to study the occupations and career paths of U.S. residents with a bachelor's-level or higher degree (particularly in an S&E field). NSCG is designed as a decade-long panel study of college graduates based on a sample of respondents from each decennial census long-form sample. It is conducted every 2–3 years.

The 2003 NSCG was the first cycle (i.e., a baseline) of data collection for the decade-long panel study that used the 2000 decennial census long form. It was designed to follow a nationally representative panel of bachelor's degree, master's degree, and foreign-educated scientists and engineers who participated in the 2000 decennial census long form. Subsequent cycles of the NSCG panel study are follow-ups to the 2003 baseline NSCG and include supplemental samples of new U.S. bachelor's and master's graduates with S&E degrees (including the social sciences and health fields) drawn from NSRCG, another SESTAT component survey described below. The 2001 NSRCG was used to supplement the 2003 NSCG new cohort to provide coverage of US degreed people between April and July of 2000.

The 2008 NSCG was a follow-up of the 2006 NSCG cohort members with S&E or S&E-related degrees or with non-S&E degrees but who were working in an S&E occupation on 1 October 2003. The 2008 NSCG also restricted follow-up to those who were younger than 76 years of age and resided in the United States (including the District of Columbia and Puerto Rico or another U.S. territory) during the reference week of 1 October 2008. In addition to the 2003 and 2006 NSCG cohort members who continued to meet criteria for follow-up, the 2008 NSCG also covered individuals who received a new S&E bachelor's or master's degree between 1 April 2000 and 30 June 2007, based on a supplemental samples from the 2003, 2006, and 2008 NSRCG. Stratified probability sampling was used in selecting individuals, based on sex, race and ethnicity, disability status, U.S. citizenship, highest degree (bachelor's, master's, doctorate), and occupation. The total sample size for the 2008 NSCG was 68,000, and the weighted response rate was 88.74%.

The 2008 NSCG questionnaire is available at http://www.nsf.gov/statistics/srvygrads/surveys/srvygrads_2008.pdf. Additional information on the NSCG is available at http://www.nsf.gov/statistics/srvygrads/.

The 2008 National Survey of Recent College Graduates

NSRCG has been conducted every 2–3 years by a survey contractor for NSF since 1974. NSRCG is a cross-sectional survey that provides data on continuing education enrollment (e.g., master's degree and doctoral training) and/or the early employment experiences of recent U.S. S&E graduates, including whether they were able to find employment (particularly in their field of study) and the attributes of that employment.

The 2008 NSRCG target population consisted of individuals who received bachelor's or master's degrees in science, engineering, and health (SEH) fields from a U.S. college or university within the preceding two academic years (defined as July 2005–June 2006 and July 2006–June 2007) prior to the survey reference date of 1 October 2008. The 2008 NSRCG used a two-stage sample design. In the first stage, a stratified, nationally representative sample of 300 colleges and universities was selected from a universe of approximately 1,800 U.S. academic institutions, with probability proportional to size. Each sampled institution was asked to provide lists of graduates for sampling. In the second stage, the graduates with

bachelor's or master's degrees in S&E fields were identified and included in the 2008 NSRCG sampling frame. Stratified-probability sampling was used in selecting individuals based on sex, race and ethnicity, highest degree (bachelor's or master's), and major field of study. Of the 302 sampled institutions in the first stage, 288 provided lists of graduates for sampling respondents for the 2008 NSRCG, representing a weighted response rate of 94.2%. Data collection in the second stage resulted in a weighted response rate of 69.7%.

The 2008 NSRCG questionnaire is available at http://www.nsf.gov/statistics/srvyrecentgrads /surveys/srvyrecentgrads_2008.pdf. Additional information on NSRCG is available at http://www.nsf.gov/statistics/recentgrads/.

The 2008 Survey of Doctorate Recipients

SDR has been conducted every 2–3 years by a survey contractor for NSF since 1973. SDR is a panel study based on a nationally representative cohort of S&E doctorate recipients from U.S. institutions. The purpose of SDR is to study the career paths of this highly trained cohort of scientists and engineers. Recipients of professional degrees—such as those awarded in medicine, law, or education—are not included in SDR. The 2008 SDR covered the portion of SESTAT's target population that received doctoral degrees in an SEH field from U.S. academic institutions between 1 January 1948 and 30 June 2007. Baseline data on education and demographic characteristics among SDR sampled members come from the Survey of Earned Doctorates (SED), an annual census of research doctorates earned in the United States that began with the 1957–58 academic year (http://www.nsf.gov/statistics /srvydoctorates/). The annual SED provides a sampling frame for updating the SDR panel over time with a supplemental sample of new U.S. SEH doctorate recipients added into each survey cycle.

The 2008 SDR target population consisted of individuals who earned an S&E research doctoral degree from a U.S. college or university by 30 June 2007, were less than 76 years of age, and were residing in the United States as of the reference date of 1 October 2008. Stratified probability sampling was used in selecting individuals based on sex, race and ethnicity, disability status, U.S. citizenship, and major field of degree. The 2008 SDR sample consisted of 40,093 cases selected systematically across strata, including 36,644 from the existing cohort cases and 3,449 from the new cohort cases. The overall weighted response rate was 80.5%. The 2008 international SDR sample consisted of 2,832 cases, including 1,500 from the existing panel, 384 transferred from the national SDR sample, and 948 from the new cohort. The overall weighted response rate was 68.0%.

The 2008 SDR questionnaire is available at http://www.nsf.gov/statistics/srvydoctoratework /surveys/srvydoctoratework_2008.pdf. Additional information on the SDR is available at http://www.nsf.gov/statistics/srvydoctoratework/.

Editing Guidelines and Procedures

Because the three SESTAT component surveys typically are conducted by different survey data collection contractors, NSF uses standardized guidelines for quality assurance in data editing and data processing. In addition, several questionnaire items are deemed critical data elements, such as residence information, employment status, and type of occupation if employed, and must be completed by the respondent to be considered an acceptable unit response.

Acceptable unit responses undergo general pre-editing and computer-assisted data entry in accordance with standardized guidelines. Multiple coding procedures (occupation, education,

other specify, geographic coding, and educational institution coding) are involved in processing a unit response. The editing rules include (1) sample person verification edits, (2) U.S. residency edits, (3) age and critical item edits, (4) new degree edits, (5) range edits, (6) back coding "other specify" information and skip error edits, (7) mark-one edits for questions with more than one response marked, (8) cross-item consistency and cross-year edits, and (9) skip/blanking edits. Guidelines also address editing rules for "refused," "don't know," or "blank" responses and for missing data on questions with a series of "yes/no" responses; rounding rules for decimals or fractions and for number of employees; and coding rules for primary and secondary work activities, for most important and second-most important reason for working outside field of highest degree, and for most important reason for attending training.

Imputation

A completed interview must include full reporting on a minimum set of critical data items, such as U.S. residency and occupation. If necessary, telephone follow-ups are used to obtain answers to critical data items as well as other noncritical but important items, such as degree information and employer location. Except for items with verbatim responses, missing data for noncritical items are imputed. Imputation does not begin until after all logical editing is complete. Sequential hot deck imputation is used to replace missing data. Before imputation, serpentine sorting is used to ensure that adjacent data records are as similar as possible. After imputation of the data, postimputation edit checks are used to ensure that imputed values remain consistent with nonmissing data and adhere to the editing guidelines and procedures described above.

Sample Weights

Sample selection probabilities for SESTAT component surveys vary substantially and reflect the differential rates of stratified sampling in each survey for creating sufficient sample sizes to provide reliable estimates of domains of interest in each survey's target population. For SESTAT data, sampling weights are developed for respondents in each component survey and for the combined and integrated SESTAT. For each component survey, sampling weights adjust for the differential selection probabilities and also for nonresponse and undercoverage. The fully adjusted sampling weights become the analysis weights and are added to each respondent record in SESTAT (variable name: Z_WEIGHTING_FACTOR_SURVEY). These weights should be used only when making estimates from each component survey in SESTAT. For the three combined component surveys, sampling weights further adjust for cross-survey multiplicity when making estimates based on SESTAT. The integrated SESTAT weight (variable name: Z_WEIGHTING_FACTOR) should be used when making estimates for the overall target population.

Reliability of Estimates

Sampling Error

Because SESTAT comprises three sample surveys, estimates are subject to sampling errors.

Standard Error Tables

To measure the precision of the SESTAT estimates, standard errors were calculated for each estimate. Thus each statistical data table in this report has a corresponding standard error table in this appendix. For example, table A-1 is the standard error table that corresponds to the estimates presented in table 1. The standard errors can be used to construct confidence intervals for the estimates. To construct a 95% confidence interval about an estimate, multiply the standard error of an estimate by a z-score of 1.96. Add the result to the estimate

to establish the upper bound of the confidence interval and subtract it from the estimate to establish the lower bound of the confidence interval.

Nonsampling Errors

Quality assurance procedures are included throughout the various stages of data collection and data processing to reduce possibilities for *nonsampling error*. Sources of nonsampling error include (1) *nonresponse error,* which arises when the characteristics of respondents differ systematically from nonrespondents; (2) *measurement error,* which arises when the variables of interest cannot be precisely measured; (3) *coverage error*, which arises when some members of the target population are excluded from the frame and thus do not have a chance to be selected for the sample; (4) *respondent error,* which occurs when respondents provide incorrect data; and (5) *processing error*, which can arise at the point of data editing, coding, or data entry. The analyst should be aware of potential nonsampling errors, but these errors are more difficult to detect and quantify than sampling errors.

Definitions and Explanations

Disability. The SESTAT component surveys ask the degree of difficulty—none, slight, moderate, severe, unable to do—an individual has in seeing (with glasses/contact lenses), hearing (with hearing aid), walking without assistance, or lifting 10 pounds. Those respondents who answered "moderate," "severe," or "unable to do" for any activity were classified as having a disability.

Reporting of education data. These data were derived from responses to several questions on type of degree and field of study earned by the respondent. The education categories of respondents in the SESTAT detailed statistical tables were based on respondents' field of study for the *highest degree* held in each survey's reference week. Please note that this differs somewhat from the component surveys' individual detailed statistical tables. While NSCG and NSRCG both use the respondent's highest degree for reporting education data, SDR reports using the respondent's first U.S. PhD, which is obtained from SED (i.e., the SDR sample degree). Degrees received after the sample degree, including second PhDs, are not reported in the SDR detailed statistical tables. However, in the SESTAT tables, a second PhD will generally be considered "higher" than the first PhD and will be the degree reported in the tables. The SESTAT surveys do collect the respondent's full degree inventory. Additional information on the degrees can be found at: http://sestat.nsf.gov/docs/inventory.html.

The following is a link to the list of major groups of SESTAT education categories for 2003 or later: http://sestat.nsf.gov/docs/ed03maj.html.

Employment sector. Sector of employment is a derived variable based on responses to multiple survey questions. In the detailed statistical tables, the category *4-year educational institution* includes 4-year colleges or universities, medical schools (including university-affiliated hospitals or medical centers), and university-affiliated research institutions. *Other educational institution* includes 2-year colleges, community colleges, or technical institutes and other educational institutions. *Business/industry* includes self-employed individuals, nonprofit organizations and other unspecified types of employers. Within business/industry, *private-for-profit* includes those self-employed in an incorporated business. *Self-employed* includes those self-employed or business owners in a nonincorporated business.

Not in labor force. Includes individuals who were not working during the survey reference week and had not been seeking work in the prior four weeks because of retirement, family responsibilities, chronic illness, or other reasons.

Occupation data. These data were derived from responses to several questions on the kind of work performed by the respondent in their principal job. The occupational classification of the respondent was based on his or her principal job (including job title) held during the reference week or on last job held, if previously employed but not employed in the reference week. Also used in the occupational classification was a respondent-selected job code. The following is a link to the list of major groups of SESTAT occupation categories for 2003 or later: http://sestat.nsf.gov/docs/occ03maj.html.

Race and ethnicity. All graduates, both U.S. citizens and non-U.S. citizens, are included in the race and ethnicity data presented in this report. American Indian or Alaska Native, Asian, black or African American, Native Hawaiian or Other Pacific Islander, white, and persons reporting more than one race refers only to individuals who are not Hispanic or Latino.

Salary. Median annual salaries are reported for the principal job and are rounded to the nearest $1,000. All respondents are asked to report annual salaries, even if their annual salary is provided for less than 12 months.

Unemployed. Includes individuals who were not working during the survey reference week but had been seeking work in the prior four weeks.

Changes in the Detailed Statistical Tables

The number of detailed statistical tables published in this edition of the series has been reduced. The complete list of tables produced for the 2008 SESTAT is shown in exhibit 1. The published tables are designated by table number in the first column. The remaining tabulations, designated as "supplemental," are available on request from the SESTAT Project Officer. The National Center for Science and Engineering Statistics (NCSES) is developing a new system of delivering data from its surveys. When fully implemented, select data tables will continue to be published together with the survey's technical documentation. The larger set of detailed data tables associated with the series will be available through the NCSES website and will provide greater opportunity for customization.

EXHIBIT 1. Published tables, crosswalk to prior-year tables, and supplemental tabulations available for *Characteristics of Scientists and Engineers in the United States: 2008*

2008 SESTAT published table	Prior-year crosswalk and supplemental data	Table title
		Labor force status
1	1	by degree background
2	2	by level of highest degree
		Occupations
		by level and field of highest degree
	S-3	by relationship to highest degree
3	4	by occupational category
	S-5	by level of highest degree
4	6	respondents with disabilities, by occupational category
		Selected characteristics
5	7	all U.S. scientists and engineers, by field and level of highest degree
		by employment status
	S-8	by sex
	S-9	by race/ethnicity
	S-10	by age
6	11	by sex, ethnicity, and race
		Employment
		by level and field of highest degree
	S-12	by sex and employment sector
7	13	by employment sector and primary/secondary work activity
8	14	by sex, ethnicity, and race
	S-15	by geographic division of employment
		by level of highest degree and occupation
	S-16	by employment sector
9	17	by citizenship status and employment sector
10	18	by age and primary/secondary work activity
	S-19	by sex and years since highest degree
11	20	by ethnicity, race, and years since highest degree
		Median annual salaries
		by level and field of highest degree
	S-21	by sex and employment sector
12	22	by employment sector and primary/secondary work activity
13	23	by sex, ethnicity, and race
	S-24	by geographic division of employment
		by level of highest degree and occupation
	S-25	by employment sector
14	26	by citizenship status and employment sector
15	27	by age and primary/secondary work activity
	S-28	by sex and years since highest degree
16	29	by ethnicity, race, and years since highest degree

SESTAT = Scientists and Engineers Statistical Data System.

NOTES: Prior-year numbering for tables published in report are in boldface. Tables designated by "S" are available on request from Project Officer.

Standard Error Tables

Table	**Technical tables**
	Standard errors for labor force status
1	by degree background
2	by level of highest degree
	Standard errors for occupations
	by level and field of highest degree
3	by occupational category
4	respondents with disabilities, by occupational category
	Standard errors for selected characteristics
5	all U.S. scientists and engineers, by field and level of highest degree
6	by sex, ethnicity, and race
	Standard errors for employment
	by level and field of highest degree
7	by employment sector and primary/secondary work activity
8	by sex, ethnicity, and race
	by level of highest degree and occupation
9	by citizenship status and employment sector
10	by age and primary/secondary work activity
11	by ethnicity, race, and years since highest degree
	Standard errors for median annual salaries
	by level and field of highest degree
12	by employment sector and primary/secondary work activity
13	by sex, ethnicity, and race
	by level of highest degree and occupation
14	by citizenship status and employment sector
15	by age and primary/secondary work activity
16	by ethnicity, race, and years since highest degree

TABLE A-1. Standard errors for U.S. scientists and engineers, by degree background and labor force status: 2008

Degree background	All scientists and engineers	In labor force					Not in labor force
		Employed, by occupation				Unemployed	
		Total	S&E	S&E related	Non-S&E		
Scientists and engineers	86,000	81,000	45,000	50,000	81,000	17,500	50,000
Educated in S&E (holds at least one S&E degree)	76,500	68,500	39,000	35,500	70,500	16,000	42,000
Highest degree in S&E field	71,500	63,500	35,000	24,500	62,500	14,000	35,000
Highest degree in S&E-related field	26,500	24,000	6,500	21,500	9,000	3,500	9,000
Highest degree in non-S&E field	43,500	38,500	12,000	10,500	37,500	8,000	20,000
No S&E degree but holds at least one S&E-related degree	48,000	45,000	11,000	34,500	30,000	8,000	21,000
Highest degree in S&E-related field	46,000	43,000	10,000	34,000	26,500	7,500	19,500
Highest degree in non-S&E field	18,500	16,500	4,000	9,000	13,000	3,000	8,000
Non-S&E degree only	32,000	30,000	13,500	17,000	20,500	5,500	10,500

S&E = science and engineering.

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. 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.

TABLE A-2. Standard errors for U.S. scientists and engineers, by labor force status and level of highest degree: 2008

	Level of highest degree									
	All degree levels		Bachelor's		Master's		Doctorate		Professional	
Labor force status and degree background	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Scientists and engineers	86,000	-	71,000	0.25	54,500	0.25	10,500	0.05	33,000	0.15
Employed	81,000	-	66,500	0.25	50,000	0.25	10,000	0.10	31,500	0.20
Employed in S&E occupation	45,000	-	33,000	0.40	23,000	0.35	6,000	0.15	4,000	0.10
Educated in S&E (holds at least one S&E degree)	39,000	-	27,500	0.40	21,500	0.40	5,500	0.20	3,500	0.10
No S&E degree but holds at least one S&E-related degree	11,000	-	9,000	2.15	5,500	2.00	1,500	0.55	2,000	0.75
Non-S&E degree only	13,500	-	12,000	1.50	7,000	1.60	1,500	0.40	1,000	0.25
Employed in S&E-related occupation	50,000	-	36,000	0.50	27,500	0.45	4,500	0.10	20,500	0.35
Educated in S&E (holds at least one S&E degree)	35,500	-	22,000	0.70	19,500	0.65	3,000	0.15	17,500	0.60
No S&E degree but holds at least one S&E-related degree	34,500	-	28,500	0.70	17,000	0.60	2,500	0.10	13,000	0.50
Non-S&E degree only	17,000	-	15,000	1.85	9,000	1.75	2,500	0.55	2,500	0.50
Employed in non-S&E occupation	81,000	-	65,000	0.45	43,500	0.40	7,000	0.10	21,000	0.25
Educated in S&E (holds at least one S&E degree)	70,500	-	58,000	0.50	38,500	0.45	7,000	0.10	20,500	0.30
No S&E degree but holds at least one S&E-related degree	30,000	-	23,500	1.35	16,000	1.25	2,500	0.25	5,500	0.55
Non-S&E degree only	20,500	-	15,500	2.20	12,000	2.15	1,500	0.30	3,000	0.60
Unemployed	17,500	-	14,500	1.45	9,500	1.30	2,000	0.30	5,000	0.80
Educated in S&E (holds at least one S&E degree)	16,000	-	12,500	1.65	9,500	1.50	1,500	0.35	4,500	0.90
No S&E degree but holds at least one S&E-related degree	8,000	-	7,000	4.05	3,500	3.65	1,000	1.15	2,000	2.10
Non-S&E degree only	5,500	-	5,000	3.80	1,000	2.50	D	D	D	D
Not in labor force	50,000	-	40,000	0.70	25,000	0.65	5,000	0.15	10,000	0.30
Educated in S&E (holds at least one S&E degree)	42,000	-	32,500	0.75	22,000	0.75	4,500	0.20	9,500	0.35
No S&E degree but holds at least one S&E-related degree	21,000	-	17,000	1.50	11,500	1.40	2,500	0.35	5,500	0.70
Non-S&E degree only	10,500	-	8,000	3.20	5,500	3.10	1,000	0.55	D	D

- = no value, standard errors are not calculated for proportions of 100%. D = suppressed to avoid disclosure of confidential information.

S&E = science and engineering.

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. Standard errors are rounded up to nearest 500; standard errors of percentages are rounded up to nearest 0.05%.

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

TABLE A-3. Standard errors for broad occupation category of employed U.S. scientists and engineers, by level and field of highest degree: 2008
(Percent distribution)

Level and field of highest degree	All occupations		S&E occupations					S&E-related occupations					Non-S&E occupations
	Number	Percent	Computer/ mathematical scientists	Biological/ agricultural/ other life scientists	Physical/ related scientists	Social/ related scientists	Engineers	Health occupations	S&E managers	S&E pre-college teachers	S&E technicians and technologists	Other S&E-related jobs	
All degree levels and fields[a]	81,000	-	0.15	0.10	0.05	0.10	0.15	0.20	0.10	0.15	0.10	0.10	0.35
S&E fields	63,500	-	0.25	0.15	0.10	0.10	0.20	0.20	0.15	0.10	0.15	0.05	0.45
Sciences	61,000	-	0.30	0.15	0.10	0.15	0.10	0.25	0.15	0.15	0.15	0.05	0.50
Biological/agricultural/environmental life sciences	27,500	-	0.35	0.65	0.25	0.10	0.30	0.70	0.25	0.40	0.40	0.10	1.10
Agricultural sciences	12,500	-	0.80	1.50	0.60	0.05	0.80	1.25	0.20	0.60	0.95	D	2.60
Biological sciences	23,500	-	0.45	0.80	0.25	0.10	0.25	0.90	0.30	0.50	0.45	D	1.25
Environmental life sciences	10,500	-	0.75	1.65	0.75	0.35	1.15	1.25	0.65	0.45	1.60	D	2.85
Computer/mathematical sciences	24,000	-	0.90	0.05	0.10	0.10	0.25	0.20	0.35	0.30	0.40	0.20	0.90
Computer/information sciences	18,000	-	1.00	0.05	S	0.15	0.30	0.25	0.45	0.15	0.45	S	0.95
Mathematics/statistics	17,000	-	1.40	0.05	0.20	0.15	0.45	0.30	0.45	0.90	0.65	0.55	1.75
Physical/related sciences	13,500	-	0.65	0.40	1.00	0.15	0.60	0.50	0.45	0.45	0.40	S	1.35
Chemistry, except biochemistry	10,500	-	0.75	0.40	1.70	S	0.90	0.90	0.50	0.65	0.60	D	2.05
Earth/atmospheric/ocean sciences	8,500	-	1.35	0.85	2.15	D	1.40	0.30	1.05	1.00	0.75	D	2.65
Physics/astronomy	6,500	-	1.70	0.35	1.30	0.25	1.10	0.20	0.70	0.70	0.90	D	2.40
Other physical sciences	5,000	-	1.70	3.95	2.70	D	1.45	2.65	S	1.60	1.45	D	5.60
Social/related sciences	48,000	-	0.20	0.10	0.05	0.30	0.10	0.30	0.15	0.15	0.15	0.05	0.55
Economics	20,500	-	0.70	0.45	D	0.55	0.35	0.25	0.45	0.25	0.35	0.15	1.15
Political/related sciences	22,000	-	0.55	S	S	0.55	0.30	0.55	0.35	0.35	0.40	D	1.05
Psychology	27,000	-	0.30	0.15	D	0.55	0.10	0.50	0.20	0.25	0.20	D	0.85
Sociology/anthropology	21,000	-	0.55	0.20	S	0.50	D	0.70	0.25	0.35	0.15	D	1.05
Other social sciences	15,500	-	0.65	0.30	0.15	0.70	0.20	0.70	0.35	0.70	0.65	D	1.65
Engineering	26,500	-	0.40	0.10	0.10	0.10	0.55	0.10	0.30	0.10	0.20	0.15	0.65
Aerospace/aeronautical/astronautical engineering	6,000	-	1.20	D	S	D	3.30	D	0.95	S	S	D	3.75
Chemical engineering	6,500	-	0.80	0.25	0.80	S	2.20	0.70	1.10	S	0.45	D	2.20
Civil/architectural engineering	11,500	-	0.50	D	0.10	S	1.45	D	0.75	D	0.45	0.70	1.45
Electrical/computer engineering	15,000	-	0.90	0.05	0.10	0.10	0.85	0.15	0.50	0.10	0.45	S	1.00
Industrial engineering	8,000	-	1.50	D	S	S	2.35	S	1.15	S	0.95	D	2.95
Mechanical engineering	12,500	-	0.55	0.05	0.10	0.15	1.40	S	0.65	0.25	0.45	D	1.45
Other engineering	10,000	-	0.80	0.40	0.35	0.15	1.40	0.40	0.65	0.10	0.45	S	1.60
S&E-related fields	44,500	-	0.20	0.10	0.05	0.10	0.15	0.55	0.15	0.20	0.10	0.20	0.55
Health	37,000	-	0.15	0.15	0.05	0.10	0.05	0.55	0.20	0.10	0.05	D	0.50
Science/mathematics teacher education	16,000	-	0.80	0.20	0.20	S	S	0.70	D	2.20	0.45	D	2.35
Technology/technical fields	13,000	-	1.75	D	D	D	1.40	0.45	0.65	0.50	1.10	D	2.45
Other S&E-related fields	14,500	-	0.60	D	D	0.90	0.35	D	0.30	D	0.40	2.15	2.15

TABLE A-3. Standard errors for broad occupation category of employed U.S. scientists and engineers, by level and field of highest degree: 2008
(Percent distribution)

Level and field of highest degree	All occupations		S&E occupations					S&E-related occupations					Non-S&E occupations
	Number	Percent	Computer/ mathematical scientists	Biological/ agricultural/ other life scientists	Physical/ related scientists	Social/ related scientists	Engineers	Health occupations	S&E managers	S&E pre-college teachers	S&E technicians and technologists	Other S&E-related jobs	
Non-S&E fields	47,000	-	0.30	0.10	0.10	0.20	0.20	0.35	0.25	0.35	0.20	0.10	0.60
Arts/humanities	13,500	-	1.60	D	D	0.90	0.55	1.60	0.85	1.35	1.15	0.50	2.15
Education, except science/mathematics teacher education	25,000	-	0.35	0.15	0.20	0.30	0.15	0.75	0.20	1.20	0.30	D	1.50
Management/administration	31,000	-	0.65	0.20	0.20	0.20	0.50	0.55	0.50	0.25	0.45	0.15	1.00
Sales/marketing	10,000	-	1.80	D	D	1.75	1.50	1.45	D	S	S	D	3.15
Social services/related	15,500	-	0.85	D	D	0.85	0.20	1.00	0.65	0.65	0.55	D	1.75
Other non-S&E fields	28,500	-	0.50	0.25	0.15	0.30	0.20	0.55	0.35	0.30	0.25	0.15	0.95
Bachelor's degrees	66,500	-	0.20	0.10	0.10	0.10	0.20	0.30	0.15	0.15	0.15	0.10	0.45
S&E fields	59,500	-	0.25	0.15	0.10	0.10	0.25	0.20	0.15	0.15	0.15	0.10	0.50
Sciences	58,000	-	0.30	0.20	0.15	0.15	0.15	0.30	0.15	0.20	0.20	0.10	0.55
Biological/agricultural/environmental life sciences	27,500	-	0.45	0.75	0.30	0.10	0.35	0.90	0.25	0.50	0.55	S	1.35
Agricultural sciences	12,500	-	0.85	1.65	0.70	D	0.90	1.45	0.20	S	1.15	D	3.05
Biological sciences	23,000	-	0.60	0.90	0.35	0.10	0.35	1.25	0.35	0.65	0.60	D	1.55
Environmental life sciences	9,000	-	0.90	1.75	0.75	0.40	1.30	1.65	0.30	0.50	1.90	D	3.25
Computer/mathematical sciences	21,500	-	1.05	D	0.10	0.15	0.25	0.25	0.40	0.40	0.50	0.25	1.15
Computer/information sciences	15,500	-	1.25	D	D	0.15	0.30	0.35	0.50	0.15	0.60	D	1.20
Mathematics/statistics	15,500	-	1.65	D	0.25	0.20	0.55	0.40	0.60	1.25	0.80	0.65	2.15
Physical/related sciences	13,000	-	1.00	0.55	1.40	0.25	0.95	0.80	0.55	0.55	0.60	D	1.95
Chemistry, except biochemistry	10,000	-	1.15	0.50	2.35	D	1.35	1.45	0.65	0.80	0.80	D	2.95
Earth/atmospheric/ocean sciences	7,500	-	2.05	0.70	2.65	D	2.30	0.45	1.30	1.15	1.25	D	3.70
Physics/astronomy	6,000	-	3.10	0.45	1.25	0.40	1.75	S	S	1.05	1.95	D	4.50
Other physical sciences	5,000	-	2.05	S	3.15	D	S	S	D	S	1.50	D	6.55
Social/related sciences	44,500	-	0.25	0.15	0.10	0.25	0.10	0.35	0.15	0.20	0.20	0.05	0.55
Economics	20,500	-	0.80	0.50	D	0.50	0.35	0.30	0.55	0.25	0.40	S	1.20
Political/related sciences	19,500	-	0.60	D	D	0.55	0.35	0.60	0.30	0.30	0.50	D	1.20
Psychology	24,000	-	0.40	0.15	D	0.45	0.15	0.70	0.20	0.30	0.25	D	0.95
Sociology/anthropology	20,500	-	0.60	S	D	0.40	D	0.80	S	0.40	0.15	D	1.10
Other social sciences	14,500	-	0.80	0.35	0.15	0.70	0.25	0.75	0.45	0.70	0.80	D	1.85
Engineering	24,000	-	0.45	0.10	0.10	0.10	0.70	0.15	0.40	0.10	0.30	0.20	0.80
Aerospace/aeronautical/astronautical engineering	5,000	-	1.65	D	D	D	4.35	D	0.95	D	S	D	4.85
Chemical engineering	6,500	-	0.90	0.20	1.00	D	2.85	S	1.45	S	0.55	D	2.80
Civil/architectural engineering	10,000	-	0.55	D	D	D	1.75	D	1.00	D	0.60	0.85	1.80
Electrical/computer engineering	12,500	-	1.20	D	0.05	0.10	1.10	0.20	0.55	S	0.60	D	1.30
Industrial engineering	7,500	-	1.85	D	D	D	3.00	D	1.55	D	1.30	D	3.75

TABLE A-3. Standard errors for broad occupation category of employed U.S. scientists and engineers, by level and field of highest degree: 2008
(Percent distribution)

Level and field of highest degree	All occupations		S&E occupations					S&E-related occupations					Non-S&E occupations
	Number	Percent	Computer/ mathematical scientists	Biological/ agricultural/ other life scientists	Physical/ related scientists	Social/ related scientists	Engineers	Health occupations	S&E managers	S&E pre-college teachers	S&E technicians and technologists	Other S&E-related jobs	
Mechanical engineering	11,500	-	0.55	D	D	0.15	1.70	S	0.75	S	0.55	D	1.80
Other engineering	9,000	-	1.25	0.50	0.45	0.15	2.05	0.70	0.95	D	0.80	D	2.40
S&E-related fields	36,000	-	0.30	0.10	0.05	0.15	0.20	0.85	0.25	0.30	0.20	0.35	0.85
Health	28,500	-	0.30	0.10	0.05	S	0.10	0.95	0.30	0.15	0.10	D	0.85
Science/mathematics teacher education	12,000	-	1.05	D	0.40	D	D	1.50	D	3.55	S	D	4.00
Technology/technical fields	12,000	-	1.80	D	D	D	1.55	S	0.60	S	1.25	D	2.75
Other S&E-related fields	12,500	-	0.80	D	D	0.90	0.45	D	0.25	D	S	2.75	2.70
Non-S&E fields	27,000	-	0.95	0.35	0.20	0.40	0.45	1.00	0.50	0.70	0.75	0.25	1.35
Arts/humanities	11,000	-	2.20	D	D	1.30	0.85	2.15	1.25	1.55	1.60	0.80	2.65
Education, except science/mathematics teacher education	10,500	-	1.20	S	D	S	0.60	2.80	0.60	3.00	1.50	D	3.85
Management/administration	17,000	-	1.75	0.50	0.30	S	0.75	1.25	0.90	0.45	1.30	D	1.95
Sales/marketing	5,500	-	4.40	D	D	2.65	3.70	4.25	D	D	D	D	6.00
Social services/related	5,000	-	7.30	D	D	D	D	6.10	S	D	5.95	D	6.80
Other non-S&E fields	10,500	-	2.45	1.20	0.90	1.15	0.90	3.05	1.55	1.25	1.60	D	3.10
Master's degrees	50,000	-	0.25	0.15	0.10	0.20	0.20	0.30	0.20	0.30	0.10	0.10	0.55
S&E fields	25,000	-	0.45	0.25	0.15	0.35	0.35	0.25	0.30	0.30	0.20	0.10	0.75
Sciences	22,000	-	0.60	0.35	0.25	0.50	0.20	0.35	0.30	0.35	0.25	0.15	0.90
Biological/agricultural/environmental life sciences	9,000	-	0.75	1.85	0.65	0.20	0.50	1.25	0.85	1.10	0.70	D	2.10
Agricultural sciences	3,500	-	D	5.00	1.10	D	S	3.75	D	1.95	S	D	5.25
Biological sciences	8,000	-	0.75	2.25	0.75	0.20	0.25	1.60	1.00	1.40	0.85	D	2.60
Environmental life sciences	4,500	-	1.90	3.65	2.20	0.80	2.20	S	2.80	1.35	2.05	D	5.75
Computer/mathematical sciences	11,000	-	1.55	0.10	D	0.25	0.50	0.15	0.70	0.50	0.60	0.35	1.35
Computer/information sciences	9,500	-	1.70	D	D	0.30	0.60	0.20	0.90	0.45	0.60	D	1.50
Mathematics/statistics	5,500	-	3.05	D	D	0.40	0.95	D	0.45	1.45	1.40	1.30	2.95
Physical/related sciences	6,000	-	1.25	1.15	1.90	D	0.90	0.45	1.15	1.45	0.85	D	2.50
Chemistry, except biochemistry	3,500	-	0.70	1.60	3.95	D	0.90	1.15	S	2.45	2.05	D	4.20
Earth/atmospheric/ocean sciences	4,000	-	1.90	S	3.75	D	1.00	D	2.30	2.30	0.45	D	3.80
Physics/astronomy	3,000	-	3.70	0.75	2.70	D	2.70	D	S	2.60	1.60	D	4.85
Other physical sciences	1,500	-	D	S	S	D	D	D	D	S	D	D	17.20
Social/related sciences	15,500	-	0.40	0.20	0.10	0.95	0.20	0.55	0.35	0.45	0.20	D	1.20
Economics	6,000	-	1.45	S	D	2.85	S	D	D	D	D	D	4.05
Political/related sciences	8,500	-	1.40	D	D	1.90	D	1.65	1.25	1.35	D	D	2.80
Psychology	12,500	-	0.40	0.30	D	1.30	D	0.85	0.50	0.40	0.15	D	1.60

TABLE A-3. Standard errors for broad occupation category of employed U.S. scientists and engineers, by level and field of highest degree: 2008
(Percent distribution)

Level and field of highest degree	All occupations		S&E occupations					S&E-related occupations					Non-S&E occupations
	Number	Percent	Computer/ mathematical scientists	Biological/ agricultural/ other life scientists	Physical/ related scientists	Social/ related scientists	Engineers	Health occupations	S&E managers	S&E pre-college teachers	S&E technicians and technologists	Other S&E-related jobs	
Sociology/anthropology	5,000	-	1.30	0.90	D	3.45	D	0.30	D	S	D	D	4.20
Other social sciences	5,000	-	1.20	0.30	0.60	2.20	D	1.80	S	2.45	0.90	D	3.80
Engineering	11,000	-	0.65	0.20	0.15	0.20	0.95	0.10	0.50	0.15	0.30	0.30	0.85
Aerospace/aeronautical/astronautical engineering	2,000	-	1.80	D	D	D	5.30	D	2.30	D	D	D	5.55
Chemical engineering	3,000	-	3.05	1.10	1.10	D	4.60	D	2.05	S	1.20	D	4.95
Civil/architectural engineering	5,000	-	1.10	D	0.25	D	2.55	D	0.85	D	0.60	1.40	2.35
Electrical/computer engineering	7,000	-	1.35	D	0.20	D	1.45	0.15	0.85	D	0.55	D	1.35
Industrial engineering	3,000	-	3.05	D	D	D	4.05	D	0.80	D	0.70	D	4.20
Mechanical engineering	4,500	-	1.65	D	D	D	2.70	D	1.60	S	0.85	D	1.95
Other engineering	5,500	-	1.25	0.75	0.55	0.20	2.20	0.25	1.05	0.15	0.55	D	2.20
S&E-related fields	21,500	-	0.35	0.30	0.10	0.30	0.20	1.10	0.40	0.65	0.15	0.45	1.00
Health	17,500	-	0.30	0.35	0.10	0.25	S	1.15	0.50	0.15	D	D	1.15
Science/mathematics teacher education	9,500	-	1.05	D	D	D	D	0.40	D	2.90	D	D	3.05
Technology/technical fields	4,500	-	4.55	D	D	D	3.00	D	2.95	D	2.20	D	4.70
Other S&E-related fields	7,000	-	S	D	D	2.30	0.70	D	D	D	D	3.50	3.50
Non-S&E fields	37,000	-	0.35	0.15	0.15	0.25	0.30	0.40	0.30	0.45	0.20	0.10	0.80
Arts/humanities	8,500	-	2.15	D	D	S	0.30	2.30	D	2.50	1.70	D	3.95
Education, except science/mathematics teacher education	23,500	-	0.35	D	0.25	0.35	0.10	0.80	0.20	1.35	0.20	D	1.60
Management/administration	25,500	-	0.70	0.20	0.20	0.25	0.60	0.55	0.60	0.25	0.35	0.15	1.10
Sales/marketing	8,500	-	1.60	D	D	2.35	1.35	D	D	D	D	D	3.15
Social services/related	13,500	-	0.55	D	D	0.95	0.20	1.00	0.70	0.55	D	D	1.55
Other non-S&E fields	14,000	-	1.20	0.65	0.25	0.75	0.65	1.45	0.80	0.85	0.50	D	2.35
Doctoral degrees	10,000	-	0.30	0.35	0.25	0.30	0.30	0.35	0.15	0.30	0.10	0.05	0.60
S&E fields	5,500	-	0.30	0.35	0.25	0.30	0.30	0.20	0.15	0.10	0.10	0.05	0.30
Sciences	5,000	-	0.35	0.40	0.30	0.35	0.20	0.25	0.20	0.10	0.10	0.05	0.35
Biological/agricultural/environmental life sciences	3,000	-	0.45	0.90	0.30	0.15	0.30	0.60	0.35	0.15	0.25	D	0.60
Agricultural sciences	1,000	-	0.50	2.10	0.65	0.35	0.35	0.50	0.95	0.40	D	D	1.85
Biological sciences	3,000	-	0.50	1.00	0.25	0.15	0.35	0.70	0.40	0.15	0.25	D	0.65
Environmental life sciences	500	-	0.85	3.40	3.20	1.35	1.30	D	1.90	D	D	D	1.80
Computer/mathematical sciences	2,000	-	1.45	0.30	0.35	0.15	0.90	0.20	0.35	0.40	0.25	0.15	1.10
Computer/information sciences	1,500	-	2.70	0.20	D	D	2.00	0.30	0.65	0.25	D	D	1.65
Mathematics/statistics	1,500	-	1.55	0.40	0.25	0.25	0.65	D	0.30	S	0.20	0.20	1.30

TABLE A-3. Standard errors for broad occupation category of employed U.S. scientists and engineers, by level and field of highest degree: 2008
(Percent distribution)

Level and field of highest degree	All occupations		S&E occupations					S&E-related occupations					Non-S&E occupations
	Number	Percent	Computer/ mathematical scientists	Biological/ agricultural/ other life scientists	Physical/ related scientists	Social/ related scientists	Engineers	Health occupations	S&E managers	S&E pre-college teachers	S&E technicians and technologists	Other S&E-related jobs	
Physical/related sciences	2,000	-	0.45	0.50	0.95	0.15	0.55	0.20	0.40	0.20	0.20	D	0.70
Chemistry, except biochemistry	1,500	-	0.45	0.80	1.35	D	0.65	0.30	0.60	0.30	0.35	D	1.10
Earth/atmospheric/ocean sciences	1,000	-	0.60	0.65	2.00	D	1.35	D	0.95	0.40	D	D	1.15
Physics/astronomy	1,500	-	1.10	0.55	1.60	S	1.10	0.30	0.60	0.25	0.30	D	1.30
Other physical sciences	500	-	D	5.65	6.15	D	3.35	D	D	D	D	D	3.40
Social/related sciences	2,500	-	0.20	0.30	0.10	0.75	0.10	0.25	0.20	0.10	0.05	D	0.70
Economics	1,000	-	0.65	0.25	D	1.80	D	0.30	S	D	D	D	1.80
Political/related sciences	1,000	-	0.50	D	0.25	2.60	D	0.45	D	D	D	D	2.65
Psychology	2,000	-	0.25	0.40	D	0.90	0.15	0.30	0.30	0.10	D	D	0.75
Sociology/anthropology	1,000	-	0.70	0.40	S	1.70	D	0.55	0.25	D	D	D	1.70
Other social sciences	1,000	-	0.85	2.30	0.80	2.65	0.55	1.50	D	0.45	0.40	D	2.60
Engineering	2,500	-	0.65	0.30	0.45	0.10	1.00	0.20	0.40	0.15	0.20	D	0.60
Aerospace/aeronautical/astronautical engineering	1,000	-	2.60	D	2.80	D	4.30	D	2.35	D	D	D	1.65
Chemical engineering	1,000	-	0.85	1.20	2.15	D	2.70	S	1.70	D	D	D	1.40
Civil/architectural engineering	1,000	-	1.60	D	1.10	D	2.80	D	1.40	D	D	D	1.55
Electrical/computer engineering	1,500	-	1.65	0.20	0.40	D	1.95	0.20	0.70	S	0.25	D	1.20
Industrial engineering	500	-	3.85	D	D	D	4.60	S	2.55	D	D	D	3.75
Mechanical engineering	1,000	-	1.25	D	0.55	D	2.15	D	0.80	D	0.50	D	1.80
Other engineering	1,500	-	0.85	0.70	0.85	D	1.60	0.45	0.80	S	0.55	D	1.00
S&E-related fields	4,000	-	1.25	2.25	0.45	0.65	1.35	2.95	0.40	1.15	D	D	2.60
Health	3,000	-	0.30	2.75	0.55	0.50	S	3.05	0.55	D	D	D	1.95
Science/mathematics teacher education	1,500	-	6.80	D	D	D	D	D	D	7.45	D	D	8.25
Technology/technical fields	1,500	-	11.05	D	D	D	12.50	D	D	D	D	D	D
Other S&E-related fields	1,500	-	D	D	D	S	D	D	D	D	D	D	14.15
Non-S&E fields	8,000	-	1.25	0.50	D	1.50	0.35	1.25	D	1.85	D	D	2.45
Arts/humanities	2,500	-	3.15	D	D	D	D	D	D	D	D	D	4.85
Education, except science/mathematics teacher education	6,000	-	S	D	D	2.15	D	2.40	D	2.85	D	D	4.05
Management/administration	2,500	-	D	D	D	S	D	D	D	D	D	D	6.35

TABLE A-3. Standard errors for broad occupation category of employed U.S. scientists and engineers, by level and field of highest degree: 2008
(Percent distribution)

Level and field of highest degree	All occupations		S&E occupations					S&E-related occupations					Non-S&E occupations
	Number	Percent	Computer/ mathematical scientists	Biological/ agricultural/ other life scientists	Physical/ related scientists	Social/ related scientists	Engineers	Health occupations	S&E managers	S&E pre-college teachers	S&E technicians and technologists	Other S&E-related jobs	
Sales/marketing	1,000	-	D	D	D	D	D	D	D	D	D	D	0.00
Social services/related	3,500	-	S	D	D	3.75	D	D	D	D	D	D	7.70
Other non-S&E fields	3,500	-	S	D	D	4.95	D	2.65	D	D	D	D	7.30

- = no value, standard errors are not calculated for proportions of 100%. 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. Standard errors are rounded up to nearest 500; standard errors of percentages are rounded up to nearest 0.05%.

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

TABLE A-4. Standard errors for employed U.S. scientists and engineers reporting one or more disabilities, by broad field of highest degree, selected occupations, and degree level: 2008

Level and field of highest degree, and broad occupational category	Type of disability				
	Total with disability	Hearing	Seeing	Walking	Lifting
All degree levels and fields and occupations[a]	29,000	18,500	19,500	11,500	14,500
S&E occupations	10,500	6,500	8,000	4,500	4,500
S&E-related occupations	15,000	9,000	10,000	6,000	7,500
Non-S&E occupations	22,000	15,000	15,000	9,500	12,000
Biological/agricultural/environmental life sciences degree fields	8,000	6,000	5,500	3,000	3,500
S&E occupations	3,000	2,500	2,500	1,000	1,000
S&E-related occupations	4,500	3,000	3,000	2,000	2,500
Non-S&E occupations	6,500	4,000	4,500	2,500	3,000
Computer/mathematical sciences degree fields	6,500	4,500	5,000	3,500	4,000
S&E occupations	5,000	3,000	3,500	3,000	2,500
S&E-related occupations	3,000	1,500	2,500	S	1,500
Non-S&E occupations	4,500	3,500	3,500	2,500	3,000
Physical/related sciences degree fields	4,500	2,500	3,000	1,000	2,500
S&E occupations	2,500	1,500	1,500	1,000	1,500
S&E-related occupations	1,500	1,500	1,000	500	500
Non-S&E occupations	3,500	2,000	2,500	500	2,500
Social/related sciences degree fields	14,500	8,500	11,000	6,000	8,000
S&E occupations	3,000	1,500	2,500	2,000	2,000
S&E-related occupations	4,000	2,500	3,000	2,500	2,500
Non-S&E occupations	13,000	8,000	10,500	5,500	7,500
Engineering degree fields	8,500	6,000	6,000	3,500	3,000
S&E occupations	5,500	3,500	4,000	2,000	2,000
S&E-related occupations	3,500	2,000	2,000	1,500	2,000
Non-S&E occupations	5,500	4,500	4,000	2,500	2,000
S&E-related degree fields	15,000	9,000	10,000	6,500	8,000
S&E occupations	3,500	2,500	2,500	1,500	2,000
S&E-related occupations	11,000	7,000	7,500	4,500	6,000
Non-S&E occupations	9,000	5,500	6,000	4,500	5,000
Non-S&E degree fields	14,000	8,500	9,500	5,500	7,500
S&E occupations	5,500	3,000	4,000	2,000	2,500
S&E-related occupations	6,000	3,500	4,500	3,000	3,500
Non-S&E occupations	12,000	8,000	7,500	4,500	6,500
Bachelor's degrees	22,000	15,000	16,000	9,500	12,000
S&E occupations	9,000	5,500	6,500	4,000	4,000
S&E-related occupations	11,500	7,500	8,000	5,000	6,500
Non-S&E occupations	18,000	12,500	12,500	7,500	9,500
Biological/agricultural/environmental life sciences degree fields	7,500	5,500	5,500	3,000	3,500
S&E occupations	2,500	2,000	2,000	500	500
S&E-related occupations	4,000	3,000	3,000	S	2,000
Non-S&E occupations	6,000	4,000	4,500	2,500	3,000
Computer/mathematical science degree fields	6,500	4,000	5,000	3,000	4,000
S&E occupations	4,500	3,000	3,000	2,500	2,500
S&E-related occupations	3,000	1,500	2,000	D	1,500
Non-S&E occupations	4,000	3,000	3,000	2,000	2,500
Physical/related science degree fields	4,000	2,500	3,000	1,000	2,500
S&E occupations	2,000	1,500	1,000	1,000	1,000
S&E-related occupations	1,500	1,500	1,000	D	500
Non-S&E occupations	3,500	1,500	2,500	D	2,000

TABLE A-4. Standard errors for employed U.S. scientists and engineers reporting one or more disabilities, by broad field of highest degree, selected occupations, and degree level: 2008

Level and field of highest degree, and broad occupational category	Type of disability				
	Total with disability	Hearing	Seeing	Walking	Lifting
Social/related science degree fields	14,000	8,000	10,500	5,500	7,500
S&E occupations	2,500	1,000	2,500	S	S
S&E-related occupations	4,000	2,500	3,000	2,500	2,500
Non-S&E occupations	12,500	8,000	10,000	5,500	7,000
Engineering degree fields	8,000	5,500	5,500	3,000	3,000
S&E occupations	5,000	3,000	3,500	2,000	1,500
S&E-related occupations	3,000	2,000	2,000	1,500	2,000
Non-S&E occupations	5,000	4,000	3,500	2,500	2,000
S&E-related degree fields	13,500	7,000	9,000	5,000	7,000
S&E occupations	3,000	2,000	2,000	1,500	1,500
S&E-related occupations	9,000	5,500	6,000	3,500	5,000
Non-S&E occupations	8,000	5,000	5,500	3,500	4,000
Non-S&E degree fields	7,000	4,500	5,500	3,000	3,500
S&E occupations	3,500	2,000	3,000	1,500	2,000
S&E-related occupations	4,500	2,500	3,500	2,000	2,500
Non-S&E occupations	4,500	3,500	4,000	2,500	S
Master's degrees	15,000	9,000	9,500	6,000	7,500
S&E occupations	6,500	4,000	4,000	2,000	2,500
S&E-related occupations	6,500	4,000	4,000	3,000	3,000
Non-S&E occupations	12,000	6,500	7,500	5,000	6,500
Biological/agricultural/environmental life sciences degree fields	3,000	2,000	2,500	500	1,000
S&E occupations	2,000	1,500	2,000	D	D
S&E-related occupations	1,500	S	1,500	D	S
Non-S&E occupations	2,000	1,500	D	D	D
Computer/mathematical science degree fields	2,500	2,500	2,000	1,500	1,500
S&E occupations	2,000	1,500	1,500	1,000	1,000
S&E-related occupations	1,000	D	1,000	D	D
Non-S&E occupations	2,000	1,500	1,500	S	1,500
Physical/related science degree fields	2,000	1,500	1,500	1,000	1,500
S&E occupations	1,500	1,000	1,000	1,000	S
S&E-related occupations	S	D	D	D	D
Non-S&E occupations	1,500	D	1,000	D	D
Social/related science degree fields	5,000	3,000	3,000	2,500	3,000
S&E occupations	1,500	1,000	1,000	1,000	1,500
S&E-related occupations	1,000	500	500	D	S
Non-S&E occupations	4,500	2,500	3,000	2,500	3,000
Engineering degree fields	3,000	2,000	2,500	1,500	1,500
S&E occupations	3,000	2,000	2,000	1,500	1,000
S&E-related occupations	1,000	500	1,000	D	D
Non-S&E occupations	1,500	1,000	1,500	*	S
S&E-related degree fields	6,500	4,000	4,500	3,500	3,500
S&E occupations	2,000	1,500	1,500	D	S
S&E-related occupations	5,000	3,000	3,000	2,500	3,000
Non-S&E occupations	4,000	2,500	3,000	2,500	2,500
Non-S&E degree fields	10,000	6,500	7,000	4,000	5,500
S&E occupations	3,500	2,000	2,500	1,500	1,500
S&E-related occupations	4,000	2,500	2,500	2,000	2,000
Non-S&E occupations	8,500	5,500	6,000	3,500	5,500

TABLE A-4. Standard errors for employed U.S. scientists and engineers reporting one or more disabilities, by broad field of highest degree, selected occupations, and degree level: 2008

Level and field of highest degree, and broad occupational category	Type of disability				
	Total with disability	Hearing	Seeing	Walking	Lifting
Doctoral degrees	3,000	2,500	2,000	1,000	1,500
S&E occupations	2,000	1,500	1,500	1,000	1,000
S&E-related occupations	1,000	500	500	500	500
Non-S&E occupations	2,000	1,500	1,000	500	1,500
Biological/agricultural/environmental life sciences degree fields	1,000	500	500	500	500
S&E occupations	1,000	500	500	500	500
S&E-related occupations	500	500	500	*	*
Non-S&E occupations	500	500	500	*	*
Computer/mathematical science degree fields	500	500	500	500	500
S&E occupations	500	500	500	*	500
S&E-related occupations	D	D	D	D	D
Non-S&E occupations	500	*	*	*	D
Physical/related science degree fields	1,000	500	500	500	500
S&E occupations	500	500	500	500	500
S&E-related occupations	500	*	*	*	*
Non-S&E occupations	500	500	500	*	*
Social/related science degree fields	1,000	500	1,000	500	500
S&E occupations	1,000	500	500	500	500
S&E-related occupations	*	*	*	D	D
Non-S&E occupations	500	500	500	500	500
Engineering degree fields	1,000	1,000	500	500	500
S&E occupations	1,000	1,000	500	500	500
S&E-related occupations	500	*	*	D	D
Non-S&E occupations	500	500	500	*	*
S&E-related degree fields	500	500	500	*	500
S&E occupations	500	*	500	*	*
S&E-related occupations	500	*	500	*	500
Non-S&E occupations	*	D	*	*	*
Non-S&E degree fields	2,500	2,000	1,500	500	1,500
S&E occupations	1,500	S	S	D	D
S&E-related occupations	D	D	D	D	D
Non-S&E occupations	2,000	1,500	1,000	D	1,500

* = standard error is not computed when value < 500. 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. Standard errors are rounded up to nearest 500. Scientists and Engineers Statistical Data System surveys ask degree of difficulty—none, slight, moderate, severe, unable to do—individual has in seeing (with glasses/contact lenses), hearing (with hearing aid), walking without assistance, or lifting 10 pounds. Respondents who answered "moderate," "severe," or "unable to do" for any activity were classified as having disability.

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

TABLE A-5. Standard errors for U.S. scientists and engineers, by detailed field and level of highest degree: 2008

Field of highest degree	Level of highest degree			
	All degree levels[a]	Bachelor's	Master's	Doctorate
All degree fields	86,000	71,000	54,500	10,500
S&E fields	71,500	66,500	31,000	5,500
Sciences	66,500	63,500	27,500	5,000
Biological/agricultural/environmental life sciences	29,000	28,500	10,000	3,000
Agricultural/food sciences	14,000	13,500	4,000	1,000
Animal sciences	10,500	10,500	1,000	500
Food sciences/technology	5,000	4,500	2,000	500
Plant sciences	7,500	7,000	2,500	1,000
Other agricultural sciences	6,000	5,500	2,000	1,000
Biological sciences	25,000	24,500	8,500	3,000
Biochemistry/biophysics	7,500	7,000	2,500	2,000
Biology, general	20,500	20,500	4,500	1,000
Botany	5,000	4,500	2,500	1,000
Cell/molecular biology	5,000	4,500	2,000	1,500
Ecology	6,000	4,500	3,500	1,000
Genetics, animal/plant	2,500	2,000	1,500	1,000
Microbiological sciences/immunology	8,000	7,000	3,000	1,500
Nutritional science	6,500	5,500	2,500	500
Pharmacology, human/animal	3,000	2,000	2,000	1,000
Physiology/pathology/human/animal	5,500	5,000	2,000	1,000
Zoology, general	7,000	6,500	2,500	1,000
Other biological sciences	7,000	6,000	3,000	1,500
Environmental life sciences	11,000	10,000	4,500	500
Environmental science studies	8,500	8,000	3,500	500
Forestry sciences	7,500	7,000	3,000	500
Computer/mathematical sciences	25,500	23,500	11,500	2,000
Computer/information sciences	18,500	16,000	10,000	1,500
Computer/information sciences	11,000	9,500	5,500	1,500
Computer science	20,000	18,000	7,500	1,000
Computer systems analysis	6,500	6,000	2,500	D
Information services/systems	9,500	8,500	5,000	D
Other computer/information sciences	10,500	10,000	3,500	500
Mathematics/statistics	19,000	18,000	6,500	1,500
Applied mathematics	8,500	8,000	2,500	1,000
Mathematics, general	15,000	14,500	4,500	1,000
Operations research	4,000	3,000	3,000	500
Statistics	4,500	4,000	2,500	500
Other mathematics	4,500	3,500	2,000	1,000
Physical/related sciences	16,000	15,000	7,000	2,500
Chemistry, except biochemistry	12,000	11,000	4,000	1,500
Earth/atmospheric/ocean sciences	9,500	8,000	4,500	1,000
Atmospheric sciences/meteorology	2,500	2,000	1,500	500
Earth sciences	4,000	3,500	2,000	*
Geology	8,000	7,000	3,000	500
Other geological sciences	2,500	2,000	2,000	1,000
Oceanography	2,500	2,000	1,500	500
Physics/astronomy	7,500	7,000	3,500	1,500
Astronomy/astrophysics	1,500	500	1,500	500
Physics	7,500	7,000	3,500	1,500
Other physical sciences	6,000	6,000	2,000	1,000

TABLE A-5. Standard errors for U.S. scientists and engineers, by detailed field and level of highest degree: 2008

Field of highest degree	Level of highest degree			
	All degree levels[a]	Bachelor's	Master's	Doctorate
Social/related sciences	54,000	49,500	20,500	2,500
Economics	22,500	21,500	6,500	1,000
Agricultural economics	10,000	9,500	3,000	500
Economics	20,000	19,500	6,500	1,000
Political/related sciences	25,500	23,500	9,500	1,000
Public policy studies	5,000	2,500	4,000	500
International relations	9,500	8,500	5,500	500
Political science/government	23,500	22,500	6,500	1,000
Psychology	30,500	26,500	15,500	2,000
Educational psychology	9,500	6,000	7,500	500
Clinical psychology	9,000	6,000	5,500	1,500
Counseling psychology	13,000	8,000	11,000	1,000
Experimental psychology	5,500	5,500	1,000	500
Psychology, general	23,000	22,500	5,000	1,000
Industrial/organizational psychology	6,500	5,500	3,500	1,000
Social psychology	5,500	5,500	1,500	1,000
Other psychology	10,000	9,000	4,500	1,000
Sociology/anthropology	24,000	23,500	5,500	1,000
Anthropology/archaeology	9,500	9,500	3,000	1,000
Criminology	9,000	8,000	2,500	500
Sociology	22,500	21,500	4,500	1,000
Other social sciences	19,000	17,500	6,500	1,000
Area/ethnic studies	8,500	7,500	3,000	500
Linguistics	4,500	4,000	2,000	500
Philosophy of science	4,500	4,500	D	D
Geography	9,000	9,000	3,000	500
History of science	4,000	4,000	1,500	500
Other social sciences	12,000	11,500	4,500	500
Engineering	31,000	28,500	12,500	2,500
Aerospace/related engineering	7,000	6,000	2,000	1,000
Chemical engineering	8,500	8,000	3,000	1,000
Civil/architectural engineering	12,500	11,000	5,500	1,000
Architectural engineering	5,000	4,500	2,000	D
Civil engineering	11,500	10,500	5,000	1,000
Electrical/computer engineering	16,000	13,500	7,500	1,500
Computer/systems engineering	8,000	6,500	4,500	1,000
Other electrical/related engineering	15,000	13,000	7,000	1,500
Industrial engineering	9,500	9,000	3,500	500
Mechanical engineering	14,500	13,500	5,000	1,000
Other engineering	12,000	10,500	6,000	1,500
Agricultural engineering	4,000	3,500	1,000	500
Bioengineering/biomedical engineering	3,000	2,000	2,000	1,000
Engineering science, mechanical/physics	3,500	3,000	2,000	500
Environmental engineering	4,500	3,500	3,000	500
Engineering, general	5,000	4,500	2,000	500
Geophysical/geological engineering	1,500	1,500	1,000	D
Materials engineering	4,000	3,500	2,000	1,000
Metallurgical engineering	3,500	3,000	1,000	500
Mining/minerals engineering	3,500	3,500	1,500	500
Naval architecture/marine engineering	2,500	2,500	500	D
Nuclear engineering	2,000	1,500	1,000	500

TABLE A-5. Standard errors for U.S. scientists and engineers, by detailed field and level of highest degree: 2008

Field of highest degree	Level of highest degree			
	All degree levels[a]	Bachelor's	Master's	Doctorate
Petroleum engineering	3,000	3,000	1,000	*
Other engineering	6,000	5,000	3,500	1,000
S&E-related fields	47,500	39,500	22,000	4,000
Health	40,500	33,000	17,500	3,000
Audiology/speech pathology	11,000	7,500	8,000	500
Health services administration	12,000	8,000	8,500	500
Health/medical assistance	4,500	3,000	3,500	D
Health/medical technologies	9,500	9,000	2,000	D
Medical preparatory programs	6,000	6,000	S	D
Medicine	21,500	6,500	3,500	1,500
Nursing	27,500	24,500	11,000	1,000
Pharmacy	10,500	9,500	3,000	1,000
Physical therapy/other rehabilitation/therapeutic services	17,000	14,500	8,500	1,500
Public health	10,000	6,000	7,000	2,000
Other health/medical sciences	15,000	12,500	7,500	1,500
Science/mathematics teacher education	18,500	14,000	10,500	2,000
Computer teacher education	5,000	1,000	4,500	D
Mathematics teacher education	10,500	8,000	6,000	1,500
Science teacher education	10,000	7,000	6,500	1,500
Social science teacher education	10,500	8,500	5,000	500
Technology/technical fields	14,500	13,000	5,000	2,000
Computer programming	6,000	5,500	2,000	D
Data processing	1,500	1,500	D	D
Electrical/electronic technologies	5,000	5,000	1,000	500
Industrial production technologies	10,500	9,500	3,500	D
Mechanical engineering-related technologies	5,000	5,000	2,000	S
Other engineering-related technologies	7,500	6,500	3,000	1,000
Other S&E-related fields	15,500	13,000	7,500	1,500
Architecture/environmental design	15,500	12,500	7,500	1,500
Actuarial science	3,000	3,000	S	D
Non-S&E fields	55,000	29,000	42,000	8,500
Arts/humanities	15,500	13,000	9,500	3,000
Education, except science/mathematics teacher education	28,500	12,000	26,000	6,500
Management/administration	33,500	18,500	26,500	3,000
Sales/marketing	11,000	6,000	9,500	1,000
Social services/related	17,500	5,500	15,000	3,500
Other non-S&E fields	29,500	11,000	15,000	4,000

* = standard error is not computed when value < 500. 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. 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.

TABLE A-6. Standard errors for U.S. scientists and engineers, by level and field of highest degree, sex, ethnicity, and race: 2008

Level and field of highest degree and sex	All scientists and engineers	Hispanic or Latino	Not Hispanic or Latino: American Indian or Alaska Native	Asian	Black or African American	White	Other[a]
All degree levels and fields[b]	86,000	22,500	7,000	23,500	22,000	80,000	14,500
Male	64,500	15,000	5,000	18,000	13,500	60,500	10,500
Female	56,500	14,000	5,500	17,500	17,000	54,500	10,000
S&E fields	71,500	17,500	4,500	19,000	16,000	65,500	11,000
Male	55,000	12,000	3,500	14,000	11,000	50,500	8,000
Female	44,000	11,000	3,500	14,000	11,500	40,500	7,500
Sciences	66,500	15,500	4,500	17,500	16,000	61,500	10,000
Male	48,000	10,500	3,500	11,500	11,000	44,000	7,000
Female	43,500	11,000	3,500	13,000	11,500	41,000	7,500
Biological/agricultural/environmental life sciences	29,000	6,500	2,000	8,500	5,500	25,500	4,500
Male	21,500	4,500	1,500	5,000	3,500	20,000	3,500
Female	20,500	5,000	1,000	6,500	5,000	19,000	3,000
Agricultural/food sciences	14,000	3,000	S	3,000	2,000	13,000	2,500
Male	11,000	2,500	S	2,500	1,500	10,000	2,000
Female	9,000	1,500	D	2,000	1,000	8,500	S
Biological sciences	25,000	6,000	1,500	7,500	5,500	22,500	3,500
Male	17,000	4,000	1,500	4,500	3,000	16,000	2,500
Female	18,000	4,500	1,000	6,000	5,000	17,000	3,000
Environmental life sciences	11,000	2,000	500	1,500	1,000	10,500	2,000
Male	9,500	1,500	S	1,000	1,000	9,000	2,000
Female	6,500	500	S	1,500	500	6,000	500
Computer/mathematical sciences	25,500	6,000	2,500	11,000	6,500	24,000	4,500
Male	19,500	5,000	2,500	8,500	5,000	19,500	4,000
Female	17,000	3,500	1,500	7,000	4,500	14,500	2,000
Computer/information sciences	18,500	6,000	2,500	9,500	5,500	18,000	3,500
Male	15,500	4,500	2,500	8,000	4,000	16,000	3,500
Female	11,500	3,000	S	5,000	3,500	10,000	1,500
Mathematical sciences	19,000	2,500	*	5,500	4,000	17,000	2,500
Male	14,000	2,000	D	3,500	3,000	12,500	2,500
Female	13,000	1,500	D	4,500	2,500	11,000	1,000
Physical/related sciences	16,000	3,500	1,500	5,500	2,500	14,000	2,000
Male	13,500	2,500	1,000	4,000	2,000	12,500	1,500
Female	10,000	2,500	S	3,500	1,500	8,500	1,500
Chemistry, except biochemistry	12,000	2,500	S	4,500	2,000	11,000	1,500
Male	10,000	2,500	*	3,000	1,500	9,000	1,000
Female	7,500	1,500	S	3,000	1,500	6,500	1,000
Earth/atmospheric/ocean sciences	9,500	1,500	*	1,500	500	9,500	1,000
Male	8,500	1,500	*	1,000	500	8,500	1,000
Female	4,500	1,000	*	1,000	*	4,500	500
Physics/astronomy	7,500	1,500	S	3,500	1,500	6,000	500
Male	7,000	1,500	S	2,500	1,000	6,000	500
Female	3,000	1,000	D	2,500	S	2,000	*
Other physical sciences	6,000	1,500	D	1,000	2,000	5,500	1,500
Male	4,000	500	D	500	1,500	4,000	D
Female	4,500	1,500	D	1,000	S	4,000	S
Social/related sciences	54,000	12,500	3,500	11,000	13,000	51,500	8,500
Male	35,000	7,500	1,500	7,000	9,000	33,500	5,500
Female	38,500	9,500	3,000	9,000	9,500	36,500	6,500

TABLE A-6. Standard errors for U.S. scientists and engineers, by level and field of highest degree, sex, ethnicity, and race: 2008

Level and field of highest degree and sex	All scientists and engineers	Hispanic or Latino	Not Hispanic or Latino				
			American Indian or Alaska Native	Asian	Black or African American	White	Other[a]
Economics	22,500	4,500	500	7,500	3,500	21,000	3,000
Male	19,000	3,500	S	5,000	3,500	18,000	2,500
Female	12,500	2,500	D	6,000	2,000	10,500	1,500
Political/related sciences	25,500	5,000	1,000	5,000	6,000	23,500	4,000
Male	20,500	4,000	S	3,000	4,500	19,500	3,500
Female	16,000	3,500	500	4,000	4,000	14,000	2,500
Psychology	30,500	7,500	2,500	5,000	7,500	29,000	5,000
Male	18,000	4,000	S	3,000	4,500	16,000	3,000
Female	25,000	6,500	2,000	4,500	6,500	24,500	4,500
Sociology/anthropology	24,000	5,500	2,000	5,000	7,000	23,000	4,000
Male	15,000	3,500	1,000	3,000	5,000	13,000	3,500
Female	20,000	4,500	2,000	4,000	5,500	19,500	3,000
Other social sciences	19,000	4,500	S	4,000	5,000	17,000	3,000
Male	12,000	2,500	S	1,500	3,000	11,500	2,000
Female	14,500	4,000	S	3,500	4,000	12,500	2,000
Engineering	31,000	7,500	1,500	11,000	5,000	27,500	4,000
Male	29,500	6,500	1,500	10,000	4,000	26,000	3,500
Female	10,000	3,000	500	4,500	3,000	9,000	2,000
Aerospace/related engineering	7,000	1,500	500	1,500	1,000	6,000	1,500
Male	6,500	1,500	S	1,500	1,000	6,000	1,500
Female	2,000	*	D	500	*	2,000	*
Chemical engineering	8,500	2,000	1,500	3,000	1,000	7,500	1,500
Male	8,000	1,500	S	2,500	1,000	7,000	500
Female	3,500	1,000	*	1,500	500	3,000	1,000
Civil/architectural engineering	12,500	3,500	500	4,500	2,000	11,000	2,000
Male	12,000	3,000	500	4,000	2,000	10,500	2,000
Female	4,500	1,000	*	1,500	1,000	4,000	1,000
Electrical/computer engineering	16,000	4,000	500	7,500	3,500	13,500	2,500
Male	14,500	3,500	500	6,500	3,000	12,500	2,500
Female	6,000	2,000	D	3,500	2,000	4,000	1,000
Industrial engineering	9,500	3,000	D	3,000	2,000	8,500	1,000
Male	9,000	2,500	D	2,500	1,500	8,000	1,000
Female	3,500	1,500	D	1,500	1,500	3,000	500
Mechanical engineering	14,500	2,500	500	4,500	2,500	13,500	1,500
Male	14,500	2,500	500	4,500	2,500	13,500	1,500
Female	4,000	1,000	*	1,000	500	3,500	1,000
Other engineering	12,000	3,000	*	4,000	1,500	10,500	1,000
Male	11,500	3,000	D	3,500	1,500	10,500	1,000
Female	4,500	1,500	*	2,500	1,000	4,000	500
S&E-related fields	47,500	11,500	3,500	14,000	11,000	44,500	7,500
Male	30,500	7,000	2,000	9,500	6,500	26,500	5,000
Female	35,500	8,000	3,000	11,500	10,000	33,500	6,000
Health	40,500	9,000	3,000	12,000	10,000	37,500	7,000
Male	21,500	5,500	1,500	7,000	5,000	19,000	4,500
Female	33,500	7,000	3,000	10,500	9,000	31,000	6,000
Science/mathematics teacher education	18,500	3,000	1,000	3,000	3,500	17,000	2,000
Male	11,500	2,000	D	1,500	2,500	11,000	1,500
Female	14,500	2,500	1,000	2,500	2,500	13,000	S

TABLE A-6. Standard errors for U.S. scientists and engineers, by level and field of highest degree, sex, ethnicity, and race: 2008

Level and field of highest degree and sex	All scientists and engineers	Hispanic or Latino	Not Hispanic or Latino: American Indian or Alaska Native	Asian	Black or African American	White	Other[a]
Technology/technical fields	14,500	3,500	S	4,500	4,000	12,500	2,500
Male	14,000	3,500	D	4,000	3,500	11,500	2,000
Female	5,500	1,000	D	2,500	2,000	4,500	D
Other S&E-related fields	15,500	4,000	D	3,500	3,000	14,500	1,500
Male	13,000	3,500	D	3,000	3,000	12,500	1,500
Female	8,000	2,500	D	2,500	1,500	7,500	D
Non-S&E fields	55,000	10,500	4,000	12,500	14,500	51,500	5,500
Male	39,000	7,000	3,000	9,000	8,000	35,500	4,500
Female	37,500	7,500	3,000	8,500	11,500	35,000	4,500
Arts/humanities	15,500	3,000	D	4,000	2,500	14,500	1,500
Male	11,500	2,000	D	2,500	1,500	10,500	1,000
Female	11,500	2,500	D	3,500	2,500	11,000	1,000
Education, except science/mathematics teacher education	28,500	5,500	2,500	4,000	8,000	28,000	3,000
Male	20,000	2,500	1,500	2,500	4,000	18,500	2,000
Female	23,000	5,000	2,000	3,500	7,000	21,500	2,000
Management/administration	33,500	7,000	2,500	9,500	7,000	30,000	3,500
Male	25,000	5,000	2,000	7,000	5,500	23,500	3,000
Female	17,500	4,000	S	6,500	5,000	15,500	3,000
Sales/marketing	11,000	2,500	D	3,000	2,000	10,500	S
Male	8,500	2,000	D	2,000	2,000	8,000	S
Female	7,000	2,000	D	1,500	1,500	7,000	D
Social services/related	17,500	3,500	1,000	3,000	5,000	16,500	2,000
Male	11,000	2,500	D	2,000	3,000	10,000	S
Female	12,500	2,500	500	2,000	4,000	11,500	1,500
Other non-S&E fields	29,500	5,500	2,500	6,000	7,000	27,000	4,000
Male	21,500	3,500	2,000	3,500	4,000	20,000	3,000
Female	20,000	4,000	1,500	4,000	6,000	18,500	2,500
Bachelor's degrees	71,000	19,000	5,500	19,500	18,500	65,000	13,000
Male	54,000	12,500	4,000	13,500	11,500	49,000	9,000
Female	48,000	12,000	4,500	15,000	14,500	45,000	8,500
S&E fields	66,500	16,500	4,500	17,500	15,500	61,500	10,000
Male	50,500	11,500	3,500	12,000	10,500	46,000	7,500
Female	41,000	10,000	3,000	12,000	10,500	38,500	7,500
Sciences	63,500	14,500	4,500	16,500	15,500	58,000	9,500
Male	46,000	9,500	3,000	10,500	10,500	42,000	6,500
Female	40,500	10,000	3,000	12,000	10,500	38,000	7,000
Biological/agricultural/environmental life sciences	28,500	6,500	2,000	7,500	5,500	25,500	4,000
Male	21,000	4,500	1,500	4,500	3,000	20,000	3,000
Female	20,500	4,500	1,000	6,000	4,500	19,000	3,000
Agricultural/food sciences	13,500	2,500	S	3,000	1,500	12,500	2,500
Male	10,500	2,500	D	2,500	S	10,000	1,500
Female	9,000	1,500	D	2,000	1,000	8,500	S
Biological sciences	24,500	6,000	1,500	7,000	5,500	22,500	3,500
Male	16,500	3,500	1,500	4,000	2,500	15,500	2,000
Female	18,000	4,500	1,000	6,000	4,500	16,500	2,500
Environmental life sciences	10,000	2,000	1,000	1,500	1,000	9,000	S
Male	8,000	1,500	D	500	1,000	8,000	S
Female	6,000	500	D	1,500	*	5,500	*

TABLE A-6. Standard errors for U.S. scientists and engineers, by level and field of highest degree, sex, ethnicity, and race: 2008

Level and field of highest degree and sex	All scientists and engineers	Hispanic or Latino	Not Hispanic or Latino: American Indian or Alaska Native	Asian	Black or African American	White	Other[a]
Computer/mathematical sciences	23,500	6,000	2,500	9,500	6,000	22,000	4,000
Male	18,000	4,500	2,500	7,500	4,500	17,500	4,000
Female	16,000	3,500	D	5,500	4,000	13,500	1,500
Computer/information sciences	16,000	5,500	2,500	8,500	5,500	15,500	3,500
Male	14,000	4,500	2,500	7,000	4,000	14,000	3,000
Female	11,000	3,000	D	4,500	3,500	9,500	1,500
Mathematical sciences	18,000	2,500	D	4,500	3,500	16,000	2,500
Male	13,500	2,000	D	3,000	3,000	12,500	2,500
Female	12,000	1,500	D	4,000	2,000	10,000	1,000
Physical/related sciences	15,000	3,500	1,000	4,500	2,500	13,000	2,000
Male	12,500	2,500	500	3,500	2,000	11,500	1,000
Female	9,000	2,500	S	3,000	1,500	8,000	1,500
Chemistry, except biochemistry	11,000	2,500	S	3,500	2,000	10,000	1,500
Male	9,000	2,500	D	2,500	1,500	8,000	1,000
Female	7,000	1,500	D	2,500	1,500	6,000	1,000
Earth/atmospheric/ocean sciences	8,000	1,500	*	1,000	500	8,000	500
Male	7,000	1,000	D	500	500	7,000	500
Female	4,000	1,000	D	*	*	4,000	*
Physics/astronomy	7,000	1,000	*	3,000	1,000	6,000	500
Male	6,500	1,000	D	2,500	1,000	5,500	500
Female	2,500	S	D	2,000	S	1,500	*
Other physical sciences	6,000	1,500	D	1,000	S	5,000	S
Male	4,000	500	D	*	S	4,000	D
Female	4,000	1,500	D	500	*	3,500	D
Social/related sciences	49,500	11,000	3,000	10,500	12,500	46,500	8,000
Male	32,500	7,000	1,500	6,500	8,500	30,500	5,000
Female	35,000	8,500	3,000	8,000	9,000	33,000	6,000
Economics	21,500	4,500	500	7,500	3,500	19,500	3,000
Male	18,500	3,500	D	4,500	3,000	17,500	2,500
Female	11,500	2,500	D	6,000	2,000	9,500	1,500
Political/related sciences	23,500	5,000	500	4,500	5,500	21,500	4,000
Male	19,000	4,000	D	3,000	4,000	17,500	3,000
Female	14,500	3,000	500	3,500	3,500	13,500	2,500
Psychology	26,500	6,500	2,000	4,500	7,000	25,000	4,500
Male	16,000	3,500	D	3,000	4,000	14,500	2,000
Female	22,000	6,000	2,000	4,000	5,500	21,000	4,000
Sociology/anthropology	23,500	5,000	2,000	5,000	7,000	23,000	4,000
Male	14,500	3,500	D	3,000	4,500	13,000	3,500
Female	19,500	4,000	2,000	4,000	5,000	19,000	3,000
Other social sciences	17,500	4,000	S	3,500	4,500	16,000	2,500
Male	11,000	2,000	D	1,500	3,000	10,500	2,000
Female	13,500	3,500	D	3,500	4,000	12,000	2,000
Engineering	28,500	6,500	1,500	9,500	4,500	24,500	3,500
Male	26,500	6,000	1,500	8,500	4,000	23,000	3,500
Female	9,000	2,500	500	4,000	2,500	8,000	2,000
Aerospace/related engineering	6,000	1,500	S	1,000	1,000	5,500	1,500
Male	6,000	1,500	D	1,000	1,000	5,500	1,500
Female	2,000	*	D	*	*	2,000	*

TABLE A-6. Standard errors for U.S. scientists and engineers, by level and field of highest degree, sex, ethnicity, and race: 2008

Level and field of highest degree and sex	All scientists and engineers	Hispanic or Latino	Not Hispanic or Latino: American Indian or Alaska Native	Asian	Black or African American	White	Other[a]
Chemical engineering	8,000	1,500	1,500	2,500	1,000	7,000	1,500
Male	7,500	1,500	S	2,000	1,000	6,500	500
Female	3,500	500	D	1,500	500	3,000	1,000
Civil/architectural engineering	11,000	3,000	500	3,500	2,000	10,000	2,000
Male	10,500	3,000	500	3,500	2,000	10,000	2,000
Female	4,000	1,000	D	1,500	1,000	3,000	1,000
Electrical/computer engineering	13,500	3,500	500	6,000	3,000	11,500	2,500
Male	12,500	3,500	S	5,500	3,000	10,500	2,500
Female	4,500	1,500	D	2,500	2,000	3,500	1,000
Industrial engineering	9,000	3,000	D	2,500	2,000	8,000	1,000
Male	8,000	2,500	D	2,000	1,500	7,500	1,000
Female	3,500	1,500	D	1,500	1,500	3,000	500
Mechanical engineering	13,500	2,500	500	4,000	2,500	12,500	1,500
Male	13,500	2,500	500	4,000	2,500	12,500	1,000
Female	4,000	1,000	D	1,000	500	3,500	1,000
Other engineering	10,500	3,000	D	3,000	1,500	9,500	1,000
Male	10,500	2,500	D	2,500	1,000	9,500	1,000
Female	4,000	1,500	D	2,000	1,000	3,000	500
S&E-related fields	39,500	8,500	3,000	11,000	8,500	36,000	6,500
Male	22,000	5,000	2,000	6,500	5,500	18,500	4,000
Female	31,500	7,000	2,500	10,000	8,000	29,000	5,000
Health	33,000	6,500	2,500	9,500	8,000	30,000	6,000
Male	12,500	3,000	1,000	4,500	3,500	11,500	3,000
Female	29,000	6,000	2,500	9,000	8,000	26,000	5,000
Science/mathematics teacher education	14,000	2,500	D	2,000	2,500	13,500	D
Male	8,000	1,500	D	1,500	2,000	8,000	D
Female	10,500	2,000	D	2,000	1,500	10,000	D
Technology/technical fields	13,000	3,500	S	3,500	3,500	11,500	2,000
Male	12,500	3,000	D	3,500	3,500	11,000	2,000
Female	5,500	D	D	2,000	1,500	4,500	D
Other S&E-related fields	13,000	4,000	D	3,500	3,000	12,500	1,000
Male	11,500	3,000	D	3,000	2,500	10,500	1,000
Female	7,000	2,500	D	2,500	1,000	7,000	D
Non-S&E fields	29,000	4,500	3,000	5,500	7,000	25,500	3,000
Male	20,000	3,000	2,000	4,000	4,000	18,500	2,500
Female	21,500	3,000	S	4,500	5,500	19,000	2,000
Arts/humanities	13,000	2,000	D	2,000	2,000	12,500	1,000
Male	10,000	2,000	D	1,000	1,500	9,500	500
Female	8,500	1,500	D	2,000	S	8,500	S
Education, except science/mathematics teacher education	12,000	2,000	D	2,000	3,000	11,500	1,500
Male	7,000	1,500	D	S	1,500	6,500	D
Female	10,500	1,500	D	1,500	3,000	10,500	D
Management/administration	18,500	3,000	S	5,000	4,500	15,500	2,500
Male	13,000	2,500	D	3,000	3,000	12,000	2,000
Female	11,500	1,500	D	4,000	3,500	9,500	1,000
Sales/marketing	6,000	1,000	D	D	S	5,500	D
Male	4,500	D	D	D	D	4,500	D
Female	4,000	D	D	D	D	4,000	D

TABLE A-6. Standard errors for U.S. scientists and engineers, by level and field of highest degree, sex, ethnicity, and race: 2008

Level and field of highest degree and sex	All scientists and engineers	Hispanic or Latino	Not Hispanic or Latino: American Indian or Alaska Native	Asian	Black or African American	White	Other[a]
Social services/related	5,500	S	D	1,000	2,000	5,000	D
Male	4,000	D	D	S	D	4,000	D
Female	3,500	D	D	D	1,500	3,000	D
Other non-S&E fields	11,000	2,000	S	2,000	3,000	11,000	1,500
Male	8,000	1,000	D	1,000	1,500	8,000	S
Female	8,000	2,000	D	1,500	3,000	7,500	D
Master's degrees	54,500	9,500	3,500	14,000	13,500	50,500	6,500
Male	40,000	6,500	2,500	10,500	8,000	36,500	5,000
Female	35,500	7,500	2,500	9,500	11,000	34,000	4,500
S&E fields	31,000	6,000	2,000	9,500	5,500	28,000	4,000
Male	22,000	4,500	1,500	7,500	3,500	21,000	3,000
Female	19,000	4,000	1,500	6,000	4,500	16,500	2,500
Sciences	27,500	5,000	2,000	7,500	5,500	25,000	3,500
Male	18,000	4,000	1,500	5,500	3,500	17,000	3,000
Female	18,000	4,000	1,500	5,500	4,500	15,500	2,500
Biological/agricultural/environmental life sciences	10,000	2,500	1,000	3,000	2,000	8,500	2,000
Male	7,000	2,000	D	2,000	1,500	6,500	1,500
Female	6,500	1,500	*	2,500	1,000	6,000	1,000
Agricultural/food sciences	4,000	1,000	D	1,000	1,500	3,500	S
Male	3,000	*	D	1,000	S	2,500	D
Female	2,500	1,000	D	500	*	2,000	D
Biological sciences	8,500	2,500	*	3,000	1,500	7,500	1,000
Male	6,000	2,000	D	1,500	1,000	5,500	1,000
Female	6,000	1,500	D	2,500	1,000	5,500	500
Environmental life sciences	4,500	500	D	1,000	500	4,000	S
Male	3,500	*	D	1,000	D	3,000	D
Female	3,000	*	D	500	500	3,000	*
Computer/mathematical sciences	11,500	2,000	S	6,000	2,500	10,000	1,500
Male	9,500	2,000	D	4,500	1,500	8,500	1,500
Female	6,500	1,000	D	4,000	2,000	5,000	1,000
Computer/information sciences	10,000	2,000	D	5,500	2,000	8,500	1,500
Male	8,500	1,500	D	4,500	1,500	7,500	1,500
Female	5,500	1,000	D	3,500	1,500	4,000	1,000
Mathematical sciences	6,500	1,000	D	2,500	1,500	6,000	500
Male	5,000	1,000	D	2,000	1,000	4,500	500
Female	4,000	*	D	2,000	1,500	3,500	*
Physical/related sciences	7,000	1,500	S	3,000	1,000	6,000	1,000
Male	6,000	1,000	D	2,000	1,000	5,500	1,000
Female	3,500	500	D	2,000	S	3,000	*
Chemistry, except biochemistry	4,000	500	D	2,000	500	3,500	500
Male	3,000	500	D	1,500	500	3,000	500
Female	2,500	*	D	1,500	*	2,000	D
Earth/atmospheric/ocean sciences	4,500	500	*	1,500	*	4,500	500
Male	4,000	500	D	1,000	*	3,500	500
Female	2,000	*	D	1,000	*	2,000	*
Physics/astronomy	3,500	1,000	D	2,000	1,000	3,000	*
Male	3,500	1,000	D	1,500	1,000	3,000	*
Female	1,500	*	D	1,000	D	1,000	D

TABLE A-6. Standard errors for U.S. scientists and engineers, by level and field of highest degree, sex, ethnicity, and race: 2008

Level and field of highest degree and sex	All scientists and engineers	Hispanic or Latino	Not Hispanic or Latino: American Indian or Alaska Native	Asian	Black or African American	White	Other[a]
Other physical sciences	2,000	D	D	D	S	1,500	D
Male	1,000	D	D	D	D	1,000	D
Female	1,500	D	D	D	S	1,500	D
Social/related sciences	20,500	4,500	1,500	4,000	4,500	18,500	3,000
Male	13,000	3,000	S	2,000	2,500	12,500	2,500
Female	15,000	3,500	1,500	3,500	4,000	13,500	2,000
Economics	6,500	1,500	D	2,000	1,500	6,500	S
Male	5,500	1,500	D	1,500	1,500	5,500	S
Female	4,000	S	D	1,500	500	4,000	D
Political/related sciences	9,500	2,000	D	2,000	2,000	9,000	1,000
Male	8,000	1,000	D	1,000	1,500	7,500	1,000
Female	5,500	1,500	D	1,500	1,500	4,500	500
Psychology	15,500	3,000	1,500	2,500	4,000	14,000	2,500
Male	8,000	2,000	D	1,000	1,500	7,000	2,000
Female	12,500	2,500	1,500	2,000	3,500	11,500	1,500
Sociology/anthropology	5,500	2,000	S	1,000	1,500	5,000	1,000
Male	4,500	1,500	D	500	1,000	4,000	S
Female	3,500	1,500	*	1,000	1,500	3,000	500
Other social sciences	6,500	2,000	*	2,000	1,500	6,000	1,000
Male	4,500	1,000	D	1,000	500	4,000	500
Female	5,500	1,500	*	2,000	1,500	4,500	1,000
Engineering	12,500	3,000	500	6,000	1,500	11,000	2,000
Male	12,000	2,500	*	5,500	1,500	10,500	2,000
Female	5,000	1,500	*	2,500	500	4,000	500
Aerospace/related engineering	2,000	1,000	D	1,000	*	2,000	500
Male	2,000	S	D	1,000	*	2,000	500
Female	1,000	*	D	*	*	1,000	*
Chemical engineering	3,000	1,000	D	2,000	500	2,500	*
Male	3,000	500	D	2,000	500	2,500	D
Female	1,500	S	D	1,000	*	1,000	D
Civil/architectural engineering	5,500	1,000	D	2,500	1,000	4,500	1,000
Male	5,500	1,000	D	2,000	500	4,500	1,000
Female	2,500	500	D	1,000	*	2,000	*
Electrical/computer engineering	7,500	2,000	D	4,000	1,000	6,000	1,000
Male	7,000	1,500	D	4,000	1,000	6,000	1,000
Female	3,000	1,500	D	2,000	500	2,000	D
Industrial engineering	3,500	1,000	D	1,500	1,000	3,000	*
Male	3,000	1,000	D	1,500	1,000	3,000	*
Female	2,000	*	D	500	*	1,500	*
Mechanical engineering	5,000	1,000	D	2,000	1,000	4,500	1,000
Male	4,500	1,000	D	2,000	1,000	4,000	1,000
Female	1,500	*	D	500	*	1,500	*
Other engineering	6,000	1,500	*	2,500	1,000	5,000	1,000
Male	6,000	1,000	D	2,500	1,000	5,000	500
Female	2,000	500	D	1,500	500	2,000	*
S&E-related fields	22,000	4,500	1,500	5,000	6,000	20,500	3,000
Male	14,000	2,500	500	3,500	3,000	12,000	2,000
Female	18,500	4,000	1,500	4,500	5,000	17,000	2,500

TABLE A-6. Standard errors for U.S. scientists and engineers, by level and field of highest degree, sex, ethnicity, and race: 2008

Level and field of highest degree and sex	All scientists and engineers	Hispanic or Latino	Not Hispanic or Latino: American Indian or Alaska Native	Asian	Black or African American	White	Other[a]
Health	17,500	3,500	1,500	4,500	5,000	16,500	2,500
Male	8,500	1,500	500	2,500	2,000	8,000	2,000
Female	16,000	3,500	S	4,000	4,000	15,000	2,000
Science/mathematics teacher education	10,500	2,000	D	2,000	3,000	9,500	2,000
Male	7,000	S	D	1,000	1,500	6,000	S
Female	8,500	1,500	D	1,500	2,500	8,000	S
Technology/technical fields	5,000	1,000	D	2,500	2,000	4,000	D
Male	4,500	S	D	2,000	1,500	3,500	D
Female	2,500	D	D	1,000	S	2,000	D
Other S&E-related fields	7,500	1,500	D	2,000	1,500	7,000	1,000
Male	6,500	1,500	D	1,500	1,500	6,000	S
Female	4,000	1,000	D	1,000	S	3,500	D
Non-S&E fields	42,000	8,000	3,000	9,500	12,000	39,000	4,500
Male	31,000	5,000	2,500	7,500	7,000	28,000	3,500
Female	29,500	6,500	2,000	7,000	9,500	27,500	3,500
Arts/humanities	9,500	2,000	D	3,500	S	8,500	1,000
Male	6,000	1,000	D	2,000	D	5,500	D
Female	7,000	2,000	D	2,500	S	6,500	500
Education, except science/mathematics teacher education	26,000	5,000	2,000	3,500	7,000	25,500	2,500
Male	17,000	2,500	1,500	2,000	3,500	16,000	2,000
Female	20,500	4,500	S	3,000	6,000	19,000	2,000
Management/administration	26,500	6,500	1,500	7,500	6,000	25,000	3,000
Male	22,000	4,500	1,500	6,000	5,000	20,000	2,000
Female	14,500	3,500	S	4,500	4,000	13,500	2,500
Sales/marketing	9,500	2,500	D	2,500	2,000	8,500	D
Male	7,000	S	D	2,000	2,000	6,500	D
Female	6,000	2,000	D	1,500	S	6,000	D
Social services/related	15,000	3,000	1,000	2,500	4,500	14,500	1,500
Male	9,500	2,000	D	2,000	3,000	8,500	D
Female	11,500	2,000	500	2,000	4,000	11,000	1,500
Other non-S&E fields	15,000	2,500	S	3,500	5,000	13,500	2,500
Male	11,000	1,500	D	2,000	3,000	11,000	2,000
Female	10,500	2,500	D	3,000	4,000	10,000	1,500
Doctoral degrees	10,500	2,500	500	3,500	2,500	10,000	1,500
Male	8,500	1,500	500	3,000	1,500	8,000	1,000
Female	6,500	2,000	500	2,500	2,000	6,000	1,000
S&E fields	5,500	1,000	500	3,000	1,000	4,500	500
Male	4,500	1,000	500	2,500	1,000	3,500	500
Female	3,000	1,000	*	2,000	500	2,500	500
Sciences	5,000	1,000	500	2,500	1,000	4,000	500
Male	4,000	1,000	500	2,500	1,000	3,500	500
Female	3,000	1,000	*	1,500	500	2,500	500
Biological/agricultural/environmental life sciences	3,000	1,000	*	2,000	500	2,500	500
Male	2,500	500	*	2,000	500	2,000	500
Female	2,000	500	*	1,000	500	2,000	500
Agricultural/food sciences	1,000	500	D	500	500	1,000	*
Male	1,000	500	D	500	500	1,000	*
Female	500	*	D	500	*	500	D

TABLE A-6. Standard errors for U.S. scientists and engineers, by level and field of highest degree, sex, ethnicity, and race: 2008

Level and field of highest degree and sex	All scientists and engineers	Hispanic or Latino	Not Hispanic or Latino: American Indian or Alaska Native	Asian	Black or African American	White	Other[a]
Biological sciences	3,000	1,000	*	2,000	500	2,500	500
Male	2,500	500	*	1,500	500	2,000	500
Female	2,000	500	*	1,000	500	2,000	500
Environmental life sciences	500	*	D	500	*	500	D
Male	500	*	D	*	*	500	D
Female	500	*	D	*	D	500	D
Computer/mathematical sciences	2,000	500	D	1,000	500	2,000	500
Male	2,000	500	D	1,000	500	2,000	*
Female	500	*	D	500	*	500	*
Computer/information sciences	1,500	500	D	1,000	500	1,500	*
Male	1,500	500	D	1,000	*	1,500	*
Female	500	*	D	500	*	500	*
Mathematical sciences	1,500	500	D	500	500	1,000	*
Male	1,000	500	D	500	500	1,000	*
Female	500	*	D	500	*	500	*
Physical/related sciences	2,500	500	*	1,500	500	2,000	500
Male	2,000	500	*	1,000	500	2,000	500
Female	1,000	500	D	1,000	500	1,000	*
Chemistry, except biochemistry	1,500	500	*	1,000	500	1,500	500
Male	1,500	500	*	1,000	500	1,500	500
Female	1,000	500	D	500	*	500	*
Earth/atmospheric/ocean sciences	1,000	500	D	500	*	1,000	*
Male	1,000	*	D	500	*	1,000	*
Female	500	*	D	500	D	500	*
Physics/astronomy	1,500	500	D	1,000	500	1,000	*
Male	1,500	500	D	500	500	1,000	*
Female	1,000	*	D	500	*	500	D
Other physical sciences	1,000	D	D	*	*	1,000	D
Male	1,000	D	D	*	D	1,000	D
Female	500	D	D	*	D	500	D
Social/related sciences	2,500	500	500	1,000	500	2,000	500
Male	1,500	500	*	1,000	500	1,500	500
Female	2,000	500	*	1,000	500	1,500	500
Economics	1,000	500	D	1,000	500	500	*
Male	1,000	500	D	500	500	500	*
Female	500	*	D	500	*	500	D
Political/related sciences	1,000	500	*	500	500	1,000	*
Male	1,000	*	D	500	500	1,000	*
Female	500	*	*	500	500	500	*
Psychology	2,000	500	*	1,000	500	1,500	500
Male	1,000	500	*	500	500	1,000	500
Female	1,500	500	*	1,000	500	1,500	500
Sociology/anthropology	1,000	500	*	500	500	1,000	500
Male	500	500	D	500	500	500	*
Female	500	500	*	500	500	500	*
Other social sciences	1,000	500	*	500	500	1,000	*
Male	1,000	*	D	500	500	1,000	*
Female	1,000	*	D	500	500	1,000	*

TABLE A-6. Standard errors for U.S. scientists and engineers, by level and field of highest degree, sex, ethnicity, and race: 2008

Level and field of highest degree and sex	All scientists and engineers	Hispanic or Latino	Not Hispanic or Latino: American Indian or Alaska Native	Asian	Black or African American	White	Other[a]
Engineering	2,500	500	*	1,500	500	1,500	500
Male	2,000	500	D	1,500	500	1,500	500
Female	1,000	500	D	1,000	*	500	*
Aerospace/related engineering	1,000	*	D	500	*	1,000	D
Male	1,000	*	D	500	*	1,000	D
Female	*	D	D	*	D	*	D
Chemical engineering	1,000	500	D	1,000	500	1,000	*
Male	1,000	*	D	1,000	*	1,000	*
Female	500	*	D	500	*	500	D
Civil/architectural engineering	1,000	*	D	500	*	1,000	*
Male	1,000	*	D	500	*	1,000	D
Female	500	*	D	500	*	500	D
Electrical/computer engineering	1,500	500	D	1,000	500	1,000	500
Male	1,500	500	D	1,000	500	1,000	*
Female	1,000	*	D	1,000	*	500	D
Industrial engineering	500	*	D	500	*	500	D
Male	500	*	D	500	*	500	D
Female	500	D	D	*	*	500	D
Mechanical engineering	1,000	*	D	1,000	*	1,000	*
Male	1,000	*	D	1,000	*	1,000	*
Female	500	D	D	500	D	*	D
Other engineering	1,500	500	D	1,000	500	1,000	*
Male	1,500	500	D	1,000	*	1,000	*
Female	500	*	D	500	*	500	*
S&E-related fields	4,000	1,000	*	1,500	1,000	3,500	500
Male	3,500	1,000	D	1,000	1,000	3,000	500
Female	2,500	1,000	*	1,000	1,000	2,000	500
Health	3,000	1,000	*	1,000	1,000	2,500	500
Male	2,500	1,000	D	1,000	1,000	2,000	*
Female	2,500	1,000	*	1,000	1,000	2,000	500
Science/mathematics teacher education	2,000	D	D	D	500	2,000	D
Male	2,000	D	D	D	D	1,500	D
Female	1,000	D	D	D	500	1,000	D
Technology/technical fields	2,000	D	D	1,000	D	1,500	D
Male	1,500	D	D	1,000	D	1,500	D
Female	D	D	D	D	D	D	D
Other S&E-related fields	1,500	D	D	D	D	1,500	D
Male	1,500	D	D	D	D	D	D
Female	500	D	D	D	D	500	D
Non-S&E fields	8,500	2,000	D	2,000	2,500	8,000	1,000
Male	7,000	1,500	D	1,500	1,500	6,500	D
Female	5,500	2,000	D	1,500	2,000	4,500	1,000
Arts/humanities	3,000	1,500	D	*	D	3,000	D
Male	2,500	D	D	D	D	2,500	D
Female	2,000	D	D	D	D	2,000	D
Education, except science/mathematics teacher education	6,500	1,500	D	1,000	2,000	6,000	500
Male	4,500	1,000	D	500	1,000	4,500	D
Female	4,500	1,000	D	500	2,000	4,000	500

TABLE A-6. Standard errors for U.S. scientists and engineers, by level and field of highest degree, sex, ethnicity, and race: 2008

Level and field of highest degree and sex	All scientists and engineers	Hispanic or Latino	Not Hispanic or Latino				
			American Indian or Alaska Native	Asian	Black or African American	White	Other[a]
Management/administration	3,000	D	D	2,000	D	2,500	D
Male	2,500	D	D	1,500	D	2,000	D
Female	1,500	D	D	1,000	D	S	D
Sales/marketing	1,000	D	D	D	D	500	D
Male	500	D	D	D	D	D	D
Female	500	D	D	D	D	D	D
Social services/related	3,500	D	D	500	1,000	3,500	D
Male	3,500	D	D	D	1,000	3,000	D
Female	1,500	D	D	D	D	1,500	D
Other non-S&E fields	4,000	S	D	*	D	3,500	D
Male	3,000	D	D	D	D	3,000	D
Female	3,000	D	D	D	D	2,500	D

* = standard error is not computed when value < 500. 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.

TABLE A-7. Standard errors for employed U.S. scientists and engineers, by level and 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]	81,000	45,000	44,000	73,500	28,500	56,000
Business/industry	73,000	39,000	27,000	64,000	26,000	52,500
4-year college/university	24,000	14,000	14,000	17,000	7,000	15,500
Other educational institution	34,000	15,500	31,500	23,000	7,500	16,000
Government	37,000	18,000	13,000	31,500	9,000	25,500
S&E fields	63,500	33,000	23,500	57,500	22,500	37,500
Business/industry	58,500	30,000	14,000	51,500	21,500	33,000
4-year college/university	15,500	10,000	7,500	11,500	5,500	8,500
Other educational institution	21,500	9,000	18,000	14,000	5,500	9,000
Government	27,500	14,000	7,000	22,500	7,000	17,000
Sciences	61,000	28,500	22,500	55,500	21,000	35,500
Business/industry	53,500	24,500	13,500	49,000	18,500	30,500
4-year college/university	14,500	9,500	7,000	11,000	5,000	8,500
Other educational institution	21,000	9,000	17,500	13,500	5,000	9,000
Government	26,000	12,500	7,000	21,500	6,500	16,000
Biological/agricultural/environmental life sciences	27,500	14,500	12,000	24,500	6,500	17,500
Business/industry	25,000	11,500	7,500	22,500	5,000	15,500
4-year college/university	8,000	6,500	4,000	6,000	2,500	4,500
Other educational institution	8,500	4,000	7,500	5,000	2,000	3,000
Government	11,500	6,500	3,000	10,000	3,000	7,500
Agricultural/food sciences	12,500	6,500	4,000	11,000	3,000	9,500
Business/industry	11,000	5,000	2,000	10,000	2,500	8,500
4-year college/university	3,000	2,000	1,500	2,500	500	2,000
Other educational institution	3,000	1,500	2,500	2,000	D	S
Government	5,500	3,000	2,000	5,500	S	3,500
Biological sciences	23,500	12,500	11,000	21,500	5,500	14,000
Business/industry	21,000	10,000	7,000	19,000	4,500	12,500
4-year college/university	7,500	6,000	4,000	5,500	2,500	4,000
Other educational institution	7,500	4,000	7,000	4,500	1,000	2,500
Government	8,500	4,500	2,500	7,000	2,000	5,500
Environmental life sciences	10,500	4,000	3,000	9,000	2,500	6,500
Business/industry	8,500	3,000	2,000	8,000	1,500	5,500
4-year college/university	2,000	1,000	1,000	1,500	S	1,500
Other educational institution	2,000	1,000	1,500	1,000	D	S
Government	5,500	3,000	1,000	5,000	2,000	3,500
Computer/mathematical sciences	24,000	14,500	9,000	20,500	16,000	11,500
Business/industry	22,000	13,500	4,500	18,000	15,500	10,000
4-year college/university	6,000	4,000	3,000	3,500	4,000	2,500
Other educational institution	7,500	3,500	7,000	5,000	2,500	2,500
Government	8,000	5,000	2,000	7,000	4,000	4,500
Computer/information sciences	18,000	12,500	5,500	16,000	14,500	9,000
Business/industry	17,500	11,500	3,000	14,500	13,500	7,500
4-year college/university	5,000	3,500	2,000	3,000	3,500	2,000
Other educational institution	4,500	2,500	4,000	3,000	2,000	2,000
Government	6,500	4,000	1,500	5,500	3,500	3,500
Mathematical sciences	17,000	7,500	7,500	13,500	7,500	7,500
Business/industry	13,500	7,000	3,500	11,500	7,000	7,000
4-year college/university	3,500	2,000	2,500	2,500	2,000	1,500
Other educational institution	6,000	3,000	6,000	4,000	2,000	2,000
Government	5,000	2,500	2,000	4,500	2,500	2,500

TABLE A-7. Standard errors for employed U.S. scientists and engineers, by level and 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	13,500	8,500	5,000	11,500	6,000	8,000
Business/industry	12,500	7,000	3,000	11,000	5,000	7,000
4-year college/university	4,000	3,000	1,500	3,000	1,500	2,500
Other educational institution	4,500	2,000	4,000	3,000	1,500	2,500
Government	7,000	3,500	1,000	5,000	2,000	4,500
Chemistry, except biochemistry	10,500	6,500	3,500	9,000	3,000	6,500
Business/industry	9,500	5,500	2,000	8,000	3,000	5,500
4-year college/university	3,000	2,500	1,500	2,000	1,000	1,500
Other educational institution	3,000	500	2,500	2,000	S	S
Government	4,000	2,000	500	3,500	500	3,500
Earth/atmospheric/ocean sciences	8,500	4,000	3,000	7,500	2,500	5,000
Business/industry	7,000	3,500	1,500	6,000	1,500	4,000
4-year college/university	2,000	1,000	1,000	1,500	1,000	1,500
Other educational institution	2,500	1,000	2,500	2,000	D	S
Government	4,000	2,500	1,000	3,500	2,000	2,500
Physics/astronomy	6,500	4,000	2,000	5,000	4,000	3,500
Business/industry	6,000	3,500	500	4,500	3,500	3,000
4-year college/university	1,500	1,500	1,000	1,000	1,000	1,000
Other educational institution	2,500	1,500	2,000	1,000	S	S
Government	2,500	1,000	500	2,000	1,000	1,500
Other physical sciences	5,000	3,000	2,000	3,500	1,500	2,500
Business/industry	4,000	2,500	2,000	3,000	1,500	2,500
4-year college/university	2,000	1,000	500	S	*	*
Other educational institution	1,000	*	1,000	S	D	D
Government	2,500	2,000	D	2,000	*	500
Social/related sciences	48,000	19,000	18,000	42,500	11,000	28,000
Business/industry	40,000	15,000	10,500	36,000	9,500	24,000
4-year college/university	10,500	5,000	5,000	8,500	2,500	6,000
Other educational institution	18,000	7,000	15,000	11,500	4,000	8,500
Government	20,500	9,500	6,000	17,000	4,000	13,000
Economics	20,500	7,500	5,500	19,000	5,500	12,000
Business/industry	19,000	7,000	3,500	18,000	5,000	11,000
4-year college/university	3,000	1,500	2,000	3,000	1,000	1,500
Other educational institution	3,500	1,500	3,500	2,500	D	2,000
Government	5,500	3,000	1,000	4,500	2,000	4,000
Political/related sciences	22,000	9,000	6,000	19,500	3,500	12,000
Business/industry	19,500	7,000	4,000	18,000	3,500	10,500
4-year college/university	4,500	2,500	2,000	3,500	1,000	2,000
Other educational institution	5,500	3,500	4,000	4,000	D	1,500
Government	9,000	4,500	3,000	7,500	1,500	6,000
Psychology	27,000	11,500	13,000	23,000	7,000	16,500
Business/industry	21,500	8,500	7,000	19,000	5,500	13,000
4-year college/university	6,000	3,500	3,000	4,500	1,500	4,000
Other educational institution	12,500	5,000	11,000	8,000	2,500	7,000
Government	11,000	4,500	4,000	9,500	2,500	7,000
Sociology/anthropology	21,000	9,500	9,500	19,500	4,000	13,000
Business/industry	16,000	7,500	5,500	14,500	3,500	11,000
4-year college/university	5,000	2,000	2,500	4,000	1,500	3,000
Other educational institution	9,000	3,500	7,000	6,000	S	3,500
Government	11,000	5,000	4,000	9,500	2,000	6,500

TABLE A-7. Standard errors for employed U.S. scientists and engineers, by level and 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 social sciences	15,500	6,500	6,500	13,500	4,000	9,000
Business/industry	13,500	5,000	2,500	12,000	2,500	7,500
4-year college/university	4,000	2,500	2,500	3,000	1,000	2,000
Other educational institution	6,000	2,500	5,500	3,500	2,500	2,500
Government	6,000	3,000	S	5,500	2,000	4,500
Engineering	26,500	17,500	5,500	22,000	11,000	13,500
Business/industry	25,000	16,500	4,500	21,500	10,500	12,500
4-year college/university	4,000	3,500	2,500	2,000	2,000	1,500
Other educational institution	3,500	1,500	2,500	2,500	1,500	1,500
Government	8,500	5,500	1,500	7,500	3,000	4,500
Aerospace/related engineering	6,000	3,500	1,500	4,500	2,500	3,500
Business/industry	5,500	3,500	1,500	4,500	2,500	3,000
4-year college/university	500	500	500	500	500	*
Other educational institution	500	D	500	*	D	D
Government	1,500	1,000	500	1,500	500	1,000
Chemical engineering	6,500	4,000	2,000	6,000	2,000	3,000
Business/industry	6,500	4,000	1,500	6,000	2,000	3,000
4-year college/university	1,500	1,000	1,500	1,500	*	500
Other educational institution	1,000	S	1,000	D	D	D
Government	2,000	1,000	D	1,500	500	1,500
Civil/architectural engineering	11,500	6,000	2,500	10,500	3,000	5,500
Business/industry	10,000	5,000	2,000	9,000	3,000	5,000
4-year college/university	1,500	1,000	1,000	1,000	1,000	*
Other educational institution	1,500	S	1,000	S	D	D
Government	5,500	3,000	500	5,000	1,000	3,000
Electrical/computer engineering	15,000	10,000	2,500	12,000	8,500	6,500
Business/industry	14,000	9,500	2,000	12,000	8,000	6,500
4-year college/university	2,500	2,000	1,500	1,000	1,500	1,000
Other educational institution	1,500	500	1,500	1,000	500	S
Government	4,000	3,000	S	3,000	2,000	1,500
Industrial engineering	8,000	4,500	2,000	7,000	3,500	4,500
Business/industry	7,500	4,500	1,000	7,000	3,000	4,000
4-year college/university	1,000	1,000	1,000	500	*	*
Other educational institution	1,500	D	1,500	S	D	D
Government	2,000	1,000	D	2,000	S	1,000
Mechanical engineering	12,500	8,000	3,000	11,000	4,000	7,000
Business/industry	11,500	7,500	2,500	10,000	3,500	6,000
4-year college/university	2,000	1,500	1,000	1,500	1,000	1,000
Other educational institution	2,000	500	1,500	1,500	D	S
Government	3,500	2,500	500	3,500	1,000	2,000
Other engineering	10,000	6,000	1,500	9,000	4,000	6,000
Business/industry	9,000	5,500	1,500	8,000	3,500	6,000
4-year college/university	2,500	2,000	1,000	500	1,000	1,000
Other educational institution	1,500	500	1,000	1,500	D	D
Government	4,000	2,500	500	3,500	1,500	2,500
S&E-related fields	44,500	22,500	30,000	37,000	11,000	35,500
Business/industry	38,500	19,000	20,500	32,500	9,500	32,500
4-year college/university	13,000	7,500	9,000	8,500	2,500	11,000
Other educational institution	18,500	7,500	16,500	11,500	3,500	10,500
Government	17,000	7,500	9,500	13,000	3,500	14,500

TABLE A-7. Standard errors for employed U.S. scientists and engineers, by level and 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
Health	37,000	15,500	26,000	30,000	7,500	33,500
Business/industry	33,500	13,000	20,500	27,500	6,500	31,000
4-year college/university	13,000	6,500	9,000	8,000	2,000	11,000
Other educational institution	14,000	4,500	11,500	7,500	2,500	10,000
Government	15,500	6,000	9,500	11,500	2,500	14,000
Science/mathematics teacher education	16,000	7,000	12,000	11,500	3,500	7,500
Business/industry	9,000	3,500	2,500	7,500	2,500	6,000
4-year college/university	2,500	2,000	2,500	1,000	D	500
Other educational institution	11,500	5,500	11,000	8,500	2,500	3,500
Government	3,500	1,500	1,500	2,000	D	2,500
Technology/technical fields	13,000	7,500	5,000	11,500	6,500	6,500
Business/industry	12,500	7,000	3,000	11,000	6,000	6,000
4-year college/university	3,000	2,000	S	2,000	2,000	S
Other educational institution	3,500	2,000	3,000	2,500	D	D
Government	4,500	3,000	D	3,500	2,000	1,500
Other S&E-related fields	14,500	10,500	2,500	12,500	2,500	9,000
Business/industry	14,000	9,000	1,000	12,500	2,500	8,500
4-year college/university	2,000	1,000	1,000	2,000	D	D
Other educational institution	3,000	1,500	D	2,500	D	S
Government	5,500	4,000	D	5,000	500	3,500
Non-S&E fields	47,000	23,000	25,000	41,500	17,000	31,500
Business/industry	39,000	19,500	11,000	34,000	14,500	27,000
4-year college/university	12,000	7,000	8,000	8,500	4,000	7,500
Other educational institution	23,500	10,500	20,500	18,000	4,500	10,000
Government	19,000	8,500	5,500	17,500	5,000	15,000
Arts/humanities	13,500	7,500	6,500	11,500	5,500	8,000
Business/industry	11,500	6,500	3,000	9,500	5,500	7,000
4-year college/university	4,500	2,500	3,500	3,500	1,500	3,500
Other educational institution	5,000	3,000	5,000	4,000	S	1,000
Government	4,000	2,000	D	3,500	1,500	3,000
Education, except science/mathematics teacher education	25,000	10,500	18,500	21,500	5,500	12,500
Business/industry	12,500	6,000	5,500	11,000	3,000	7,000
4-year college/university	6,500	3,500	4,500	4,500	1,000	4,000
Other educational institution	20,500	9,000	18,500	15,000	4,000	8,000
Government	6,000	2,500	3,000	5,500	3,000	3,000
Management/administration	31,000	14,500	7,500	28,500	12,000	15,500
Business/industry	28,000	13,000	5,500	26,000	10,500	14,000
4-year college/university	6,000	3,500	3,000	4,500	3,000	2,500
Other educational institution	6,000	2,000	5,000	4,500	1,000	3,000
Government	9,000	5,000	2,500	8,000	3,000	5,000
Sales/marketing	10,000	5,500	3,000	9,500	3,000	4,500
Business/industry	10,000	5,000	1,500	9,500	2,500	4,500
4-year college/university	2,000	1,500	1,500	D	D	D
Other educational institution	2,000	D	1,500	D	D	D
Government	2,500	D	D	S	D	D
Social services/related	15,500	6,500	8,000	12,000	3,000	11,500
Business/industry	12,500	5,500	6,000	10,000	2,500	9,500
4-year college/university	4,000	2,000	3,000	3,000	S	3,000
Other educational institution	5,500	2,500	4,000	3,500	D	4,000
Government	6,000	2,500	2,500	5,000	S	5,000

TABLE A-7. Standard errors for employed U.S. scientists and engineers, by level and 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 non-S&E fields	28,500	12,000	10,000	25,500	7,000	21,000
Business/industry	24,000	9,500	6,000	18,500	6,000	19,500
4-year college/university	6,500	3,500	4,000	5,000	2,500	4,000
Other educational institution	6,500	3,500	6,000	4,500	2,000	3,500
Government	14,500	6,000	3,000	13,000	2,000	12,000
Bachelor's degrees, all fields	66,500	36,000	33,500	62,500	24,000	45,500
Business/industry	62,000	32,000	22,500	56,500	21,000	41,500
4-year college/university	16,500	10,000	8,500	12,000	5,500	10,000
Other educational institution	25,500	10,500	24,000	15,500	5,500	11,500
Government	31,000	14,500	10,500	25,000	7,500	21,000
S&E fields	59,500	29,000	21,000	55,000	20,000	35,500
Business/industry	54,500	26,500	13,500	49,000	18,000	31,000
4-year college/university	12,500	8,000	6,000	9,500	4,500	7,500
Other educational institution	18,500	8,000	16,500	12,500	5,000	7,000
Government	25,500	12,500	7,000	21,500	6,500	16,000
Sciences	58,000	26,000	20,500	53,000	18,500	33,000
Business/industry	51,500	23,000	12,500	47,500	16,000	28,500
4-year college/university	12,500	8,000	6,000	9,000	4,500	7,500
Other educational institution	18,000	8,000	16,000	12,000	4,500	7,000
Government	24,000	11,500	6,500	20,500	6,000	15,000
Biological/agricultural/environmental life sciences	27,500	13,000	11,500	24,500	6,000	16,500
Business/industry	25,000	11,000	7,500	22,500	5,000	14,500
4-year college/university	7,000	5,500	3,500	4,500	1,500	4,500
Other educational institution	7,500	4,000	7,000	4,500	S	2,500
Government	10,500	6,000	3,000	9,500	3,000	7,000
Agricultural/food sciences	12,500	6,500	3,500	11,000	3,000	9,000
Business/industry	11,000	5,000	2,000	9,500	2,500	8,000
4-year college/university	2,500	1,500	1,000	1,500	D	2,000
Other educational institution	3,000	1,500	2,500	2,000	D	S
Government	5,500	3,000	S	5,500	D	3,500
Biological sciences	23,000	11,000	10,500	21,000	5,000	13,000
Business/industry	20,500	9,000	7,000	18,500	4,500	12,000
4-year college/university	6,500	5,500	3,500	4,500	1,500	4,000
Other educational institution	6,500	3,500	6,500	4,000	D	2,000
Government	8,000	4,000	2,500	6,500	1,500	5,000
Environmental life sciences	9,000	3,500	2,500	8,500	2,500	6,000
Business/industry	7,500	2,500	2,000	7,000	1,500	5,000
4-year college/university	2,000	1,000	500	1,500	D	S
Other educational institution	2,000	1,000	1,000	1,000	D	D
Government	5,000	2,500	1,000	4,000	2,000	3,500
Computer/mathematical sciences	21,500	12,500	8,000	19,500	13,500	11,000
Business/industry	20,500	11,500	4,500	17,500	13,000	9,500
4-year college/university	5,000	3,500	2,500	3,000	3,500	1,500
Other educational institution	6,500	3,000	6,000	4,500	2,000	2,500
Government	7,500	4,500	2,000	6,000	4,000	4,000
Computer/information sciences	15,500	10,500	4,500	15,000	12,000	8,000
Business/industry	16,000	10,000	3,000	14,000	11,500	7,500
4-year college/university	4,000	3,000	1,500	2,500	3,000	1,500
Other educational institution	4,000	2,000	3,500	2,500	1,500	2,000
Government	6,000	4,000	1,000	5,000	3,500	3,000

TABLE A-7. Standard errors for employed U.S. scientists and engineers, by level and 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
Mathematical sciences	15,500	7,000	6,500	12,500	7,000	7,500
Business/industry	13,000	6,500	3,000	11,000	6,500	6,500
4-year college/university	2,500	2,000	2,000	1,500	2,000	500
Other educational institution	5,500	2,500	5,500	3,500	2,000	2,000
Government	4,500	2,500	S	4,000	2,000	2,500
Physical/related sciences	13,000	7,500	4,000	11,500	5,500	7,500
Business/industry	12,000	6,500	3,000	10,500	4,500	6,500
4-year college/university	3,500	2,500	1,000	3,000	1,000	2,000
Other educational institution	3,500	1,500	3,000	2,000	S	S
Government	6,000	3,000	1,000	4,500	1,000	4,000
Chemistry, except biochemistry	10,000	6,000	3,000	8,500	3,000	6,000
Business/industry	8,500	5,500	2,000	7,500	3,000	5,000
4-year college/university	2,500	2,000	1,000	1,500	1,000	1,500
Other educational institution	2,500	500	2,000	1,500	D	D
Government	4,000	1,500	*	3,500	*	3,500
Earth/atmospheric/ocean sciences	7,500	3,500	2,500	6,500	2,000	4,500
Business/industry	6,500	3,000	S	5,500	1,500	3,500
4-year college/university	1,500	500	500	S	D	S
Other educational institution	2,000	S	2,000	1,000	D	S
Government	3,000	2,000	S	2,500	500	2,000
Physics/astronomy	6,000	3,000	1,500	4,500	4,000	3,000
Business/industry	5,500	2,500	500	4,500	3,000	2,500
4-year college/university	1,000	1,000	500	500	500	500
Other educational institution	2,000	S	1,500	1,000	D	D
Government	2,500	500	*	2,000	500	1,500
Other physical sciences	5,000	3,000	2,000	3,500	1,500	2,500
Business/industry	4,000	2,000	S	3,000	1,500	2,500
4-year college/university	S	S	D	S	D	D
Other educational institution	S	D	S	D	D	D
Government	2,500	S	D	2,000	*	*
Social/related sciences	44,500	17,000	17,000	40,000	10,000	25,000
Business/industry	37,000	13,500	9,500	34,000	8,500	21,000
4-year college/university	8,500	4,000	4,000	7,000	2,000	5,000
Other educational institution	15,500	6,500	14,000	10,000	3,500	6,500
Government	18,500	8,500	6,000	15,500	3,500	12,000
Economics	20,500	7,000	5,000	18,500	5,000	11,500
Business/industry	18,500	7,000	3,500	17,500	4,500	11,000
4-year college/university	3,000	1,000	1,500	3,000	1,000	S
Other educational institution	3,500	D	3,000	2,000	D	D
Government	5,500	3,000	1,000	4,000	2,000	4,000
Political/related sciences	19,500	8,000	6,000	17,500	3,500	11,500
Business/industry	18,000	6,000	3,500	16,500	3,000	10,000
4-year college/university	4,000	2,000	1,500	3,000	D	2,000
Other educational institution	5,000	3,000	4,000	3,500	D	1,500
Government	8,000	4,000	3,000	6,500	1,000	5,500
Psychology	24,000	10,000	11,000	21,000	6,500	14,000
Business/industry	19,500	7,500	6,500	17,500	5,000	11,000
4-year college/university	4,500	3,000	2,000	3,500	1,000	3,500
Other educational institution	10,000	4,000	9,500	6,500	2,500	4,500
Government	9,500	4,000	4,000	8,000	2,000	6,500

TABLE A-7. Standard errors for employed U.S. scientists and engineers, by level and 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	20,500	9,500	9,500	19,000	4,000	13,000
Business/industry	16,000	7,500	5,000	14,500	3,500	11,000
4-year college/university	4,000	1,500	2,500	3,500	1,500	2,500
Other educational institution	9,000	3,500	7,000	6,000	S	3,500
Government	11,000	5,000	3,500	9,500	1,500	6,500
Other social sciences	14,500	5,500	6,000	13,000	3,500	8,500
Business/industry	13,500	4,500	2,500	12,000	2,500	7,000
4-year college/university	3,000	1,000	2,000	2,500	1,000	1,500
Other educational institution	5,000	2,500	5,000	3,000	D	2,500
Government	5,500	3,000	D	5,000	2,000	4,000
Engineering	24,000	15,000	5,500	20,000	9,500	13,000
Business/industry	23,000	14,500	4,000	19,500	9,000	12,000
4-year college/university	3,500	2,500	1,500	2,000	1,500	1,000
Other educational institution	3,000	1,500	2,500	2,500	S	1,500
Government	7,500	4,500	1,500	6,500	2,500	4,000
Aerospace/related engineering	5,000	3,000	1,500	4,000	2,000	3,000
Business/industry	5,000	3,000	S	4,000	2,000	3,000
4-year college/university	500	500	*	D	*	D
Other educational institution	*	D	*	D	D	D
Government	1,500	1,000	*	1,000	*	1,000
Chemical engineering	6,500	4,000	2,000	5,500	1,500	3,000
Business/industry	6,500	3,500	S	5,500	1,500	3,000
4-year college/university	1,500	1,000	S	S	D	500
Other educational institution	500	D	500	D	D	D
Government	1,500	1,000	D	1,500	D	1,500
Civil/architectural engineering	10,000	5,500	2,500	9,500	2,500	5,000
Business/industry	9,000	5,000	2,000	8,500	2,000	4,500
4-year college/university	1,500	500	1,000	1,000	D	D
Other educational institution	1,500	D	S	S	D	D
Government	5,000	2,500	500	4,000	1,000	2,500
Electrical/computer engineering	12,500	8,500	2,500	10,000	7,000	6,000
Business/industry	11,500	8,000	2,000	10,000	7,000	6,000
4-year college/university	1,500	1,500	500	1,000	1,000	1,000
Other educational institution	1,500	500	1,000	D	D	D
Government	3,500	2,500	D	3,000	2,000	1,500
Industrial engineering	7,500	4,000	1,500	6,500	3,000	4,000
Business/industry	7,000	4,000	1,000	6,500	3,000	4,000
4-year college/university	*	*	D	*	D	D
Other educational institution	S	D	S	S	D	D
Government	2,000	500	D	2,000	D	1,000
Mechanical engineering	11,500	7,000	2,500	10,000	3,000	6,500
Business/industry	11,000	6,500	2,500	9,500	3,000	6,000
4-year college/university	1,500	1,500	500	1,000	500	500
Other educational institution	2,000	S	1,500	1,000	D	D
Government	3,500	2,500	500	3,000	1,000	2,000
Other engineering	9,000	4,500	1,500	8,000	3,500	6,000
Business/industry	8,000	4,000	1,500	7,000	3,000	5,500
4-year college/university	2,000	2,000	1,000	500	S	500
Other educational institution	1,500	D	500	S	D	D
Government	3,000	1,500	500	2,500	1,500	2,000

TABLE A-7. Standard errors for employed U.S. scientists and engineers, by level and 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	36,000	17,500	23,500	31,500	9,500	27,500
Business/industry	33,000	15,500	16,500	29,000	8,500	25,500
4-year college/university	8,500	5,000	5,000	5,500	2,000	7,000
Other educational institution	14,500	6,000	13,000	7,500	2,000	8,500
Government	14,500	5,500	7,500	11,000	3,000	12,500
Health	28,500	12,000	20,500	25,500	6,500	25,000
Business/industry	27,000	10,500	16,000	23,500	6,000	23,000
4-year college/university	8,500	4,500	5,000	5,500	1,500	7,000
Other educational institution	10,500	3,500	9,500	5,500	D	8,000
Government	13,000	4,000	7,500	9,500	2,000	12,000
Science/mathematics teacher education	12,000	5,000	8,000	9,000	2,500	6,000
Business/industry	8,000	3,000	S	7,500	2,000	5,000
4-year college/university	D	D	D	D	D	D
Other educational institution	8,000	4,000	7,500	4,500	1,000	2,500
Government	2,500	1,000	D	1,500	D	2,000
Technology/technical fields	12,000	7,000	4,500	10,500	6,000	6,000
Business/industry	11,500	6,000	3,000	11,000	5,500	6,000
4-year college/university	2,500	1,500	D	1,500	2,000	D
Other educational institution	3,000	1,500	2,500	2,000	D	D
Government	4,500	2,500	D	3,500	2,000	1,500
Other S&E-related fields	12,500	8,500	2,000	11,000	2,000	7,500
Business/industry	12,500	8,000	D	11,500	2,000	7,000
4-year college/university	1,500	D	D	1,500	D	D
Other educational institution	2,500	D	D	1,500	D	D
Government	4,000	3,000	D	3,500	D	2,000
Non-S&E fields	27,000	13,500	11,500	22,000	13,500	14,500
Business/industry	23,000	11,500	6,500	20,000	11,500	12,500
4-year college/university	6,000	3,500	2,500	4,500	3,000	3,500
Other educational institution	10,000	4,000	9,500	7,000	2,000	3,000
Government	9,000	4,500	3,000	7,500	4,000	6,000
Arts/humanities	11,000	6,000	4,500	9,500	5,500	6,000
Business/industry	9,500	6,000	2,500	8,500	5,000	5,500
4-year college/university	3,500	S	S	3,000	1,500	2,500
Other educational institution	4,000	D	4,000	3,000	D	500
Government	3,500	2,000	D	3,000	1,500	2,500
Education, except science/mathematics teacher education	10,500	5,000	8,000	9,000	3,500	6,000
Business/industry	7,500	3,500	2,500	6,500	2,500	5,000
4-year college/university	2,500	D	D	1,500	D	S
Other educational institution	7,500	3,000	7,500	5,500	S	2,000
Government	3,500	S	2,000	3,000	2,500	D
Management/administration	17,000	7,500	5,500	14,000	9,000	8,500
Business/industry	15,500	6,500	4,000	13,000	8,000	7,500
4-year college/university	4,000	2,500	S	2,500	2,500	1,500
Other educational institution	3,500	S	3,000	2,000	1,000	2,000
Government	5,000	3,000	S	4,000	2,500	3,500
Sales/marketing	5,500	3,500	2,000	5,000	2,500	2,500
Business/industry	5,500	3,500	D	5,000	2,000	2,000
4-year college/university	D	D	D	D	D	D
Other educational institution	D	D	D	D	D	D
Government	S	D	D	D	D	D

TABLE A-7. Standard errors for employed U.S. scientists and engineers, by level and 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	3,000	S	4,500	2,000	3,000
Business/industry	4,000	3,000	D	3,500	2,000	3,000
4-year college/university	D	D	D	D	D	D
Other educational institution	D	D	D	D	D	D
Government	2,000	D	D	2,000	D	1,500
Other non-S&E fields	10,500	5,500	4,500	8,000	5,000	7,000
Business/industry	8,500	4,500	3,500	6,500	4,500	5,500
4-year college/university	3,000	S	D	2,500	S	D
Other educational institution	3,500	2,000	3,500	2,000	D	D
Government	4,500	2,500	D	4,000	D	3,000
Master's degrees, all fields	50,000	26,500	27,500	43,000	14,000	28,000
Business/industry	39,500	20,500	13,000	35,500	12,000	23,000
4-year college/university	13,500	7,500	8,500	10,000	4,000	9,000
Other educational institution	25,000	11,500	23,000	18,000	5,000	12,000
Government	18,500	9,000	6,000	16,000	6,000	12,500
S&E fields	25,000	16,000	11,000	21,500	9,500	14,500
Business/industry	20,500	13,000	5,000	17,500	9,000	11,500
4-year college/university	8,000	5,000	4,000	5,500	3,000	4,000
Other educational institution	11,000	5,000	8,500	7,000	2,000	6,000
Government	10,500	6,000	2,500	8,500	4,000	6,500
Sciences	22,000	12,500	10,500	19,000	8,500	14,000
Business/industry	17,000	10,000	5,000	15,500	7,500	10,500
4-year college/university	7,500	4,500	4,000	5,500	3,000	4,000
Other educational institution	10,500	4,500	8,500	7,000	2,000	6,000
Government	9,500	5,000	2,500	8,000	3,500	6,000
Biological/agricultural/environmental life sciences	9,000	5,000	4,000	7,500	2,500	5,000
Business/industry	7,000	3,500	2,000	6,000	1,500	4,500
4-year college/university	3,500	2,500	2,000	3,000	2,000	1,500
Other educational institution	3,500	1,500	3,000	2,000	D	1,500
Government	4,500	2,500	1,500	4,000	500	2,500
Agricultural/food sciences	3,500	2,500	1,500	3,000	S	2,000
Business/industry	2,500	1,500	1,000	2,500	D	2,000
4-year college/university	2,500	1,500	S	2,000	D	D
Other educational institution	1,000	D	1,000	500	D	D
Government	1,000	1,000	500	1,000	D	*
Biological sciences	8,000	4,500	3,500	6,500	2,500	4,000
Business/industry	6,000	3,500	2,000	5,000	1,500	3,500
4-year college/university	3,000	2,000	1,500	2,500	2,000	1,000
Other educational institution	3,500	1,500	3,000	2,000	D	S
Government	3,500	1,500	S	3,000	500	2,000
Environmental life sciences	4,500	2,500	1,500	4,000	1,000	2,500
Business/industry	3,000	1,500	D	2,500	500	2,000
4-year college/university	1,000	500	S	1,000	D	D
Other educational institution	1,000	D	500	D	D	D
Government	3,000	1,500	D	2,500	D	1,500
Computer/mathematical sciences	11,000	7,500	4,000	8,500	7,000	5,000
Business/industry	9,500	6,500	1,500	7,500	7,000	4,000
4-year college/university	3,500	2,000	2,000	2,500	2,000	2,000
Other educational institution	3,500	2,000	3,000	2,000	1,500	500
Government	3,500	2,500	S	3,000	2,000	1,500

TABLE A-7. Standard errors for employed U.S. scientists and engineers, by level and 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	9,500	6,500	3,000	8,000	6,500	4,000
Business/industry	8,500	5,500	1,500	7,000	6,500	3,500
4-year college/university	2,500	2,000	1,000	1,500	2,000	1,500
Other educational institution	2,500	1,500	2,000	1,500	1,500	*
Government	3,000	2,000	S	2,500	1,500	1,500
Mathematical sciences	5,500	3,500	3,000	4,500	3,000	2,500
Business/industry	4,500	3,000	1,500	4,000	2,500	2,000
4-year college/university	2,000	1,000	1,500	2,000	1,000	S
Other educational institution	2,500	2,000	2,500	1,500	500	500
Government	2,500	1,500	D	2,000	1,500	S
Physical/related sciences	6,000	3,500	3,000	5,000	2,500	3,500
Business/industry	5,000	3,000	1,500	4,000	1,500	2,500
4-year college/university	1,500	1,000	1,000	1,000	1,000	1,500
Other educational institution	3,000	1,000	2,500	2,000	D	S
Government	2,500	1,500	500	2,000	2,000	2,000
Chemistry, except biochemistry	3,500	2,000	2,000	3,000	1,000	2,000
Business/industry	3,000	2,000	1,500	2,500	1,000	1,500
4-year college/university	1,500	1,000	500	S	D	S
Other educational institution	1,500	*	1,500	1,500	D	S
Government	1,000	500	D	500	D	1,000
Earth/atmospheric/ocean sciences	4,000	2,000	1,500	3,500	2,000	2,500
Business/industry	3,000	2,000	D	3,000	1,000	2,000
4-year college/university	1,000	1,000	500	500	500	S
Other educational institution	2,000	500	1,500	1,500	D	D
Government	2,500	1,500	D	2,000	2,000	1,500
Physics/astronomy	3,000	2,000	1,500	2,500	1,500	1,500
Business/industry	2,500	1,500	D	2,500	1,500	1,500
4-year college/university	1,000	1,000	500	500	500	*
Other educational institution	1,500	1,000	1,500	1,000	D	D
Government	1,000	500	D	500	S	*
Other physical sciences	1,500	1,000	500	1,500	D	*
Business/industry	1,500	D	D	S	D	D
4-year college/university	*	*	D	D	D	D
Other educational institution	S	D	500	D	D	D
Government	*	D	D	D	D	D
Social/related sciences	15,500	8,500	7,500	14,500	4,500	11,500
Business/industry	12,500	6,000	4,000	11,500	3,500	8,500
4-year college/university	5,000	3,000	2,500	3,500	1,000	2,500
Other educational institution	8,500	3,500	6,500	5,500	1,500	5,500
Government	8,000	4,000	2,000	6,500	2,000	5,000
Economics	6,000	3,000	2,000	5,500	2,000	3,000
Business/industry	5,500	2,500	S	5,500	2,000	2,500
4-year college/university	1,000	1,000	1,000	500	500	D
Other educational institution	1,500	S	1,000	S	D	D
Government	1,500	1,000	D	1,500	D	500
Political/related sciences	8,500	4,000	2,500	7,500	1,500	4,500
Business/industry	6,500	3,000	S	6,000	1,500	3,500
4-year college/university	2,000	1,500	1,000	1,500	D	1,000
Other educational institution	2,500	1,500	1,500	2,000	D	D
Government	4,500	2,000	500	4,000	*	2,500

TABLE A-7. Standard errors for employed U.S. scientists and engineers, by level and 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	12,500	5,500	6,500	10,500	3,000	9,500
Business/industry	8,500	4,500	3,500	7,500	2,000	7,000
4-year college/university	3,000	2,000	2,000	2,500	1,000	2,000
Other educational institution	7,500	3,000	6,000	5,000	S	5,500
Government	6,000	2,500	1,500	5,000	2,000	4,000
Sociology/anthropology	5,000	3,000	2,500	4,000	1,000	3,500
Business/industry	3,000	2,000	1,500	3,000	1,000	2,000
4-year college/university	3,000	1,500	1,000	2,000	D	2,000
Other educational institution	2,000	1,500	2,000	1,500	D	500
Government	2,500	1,500	S	2,000	S	2,000
Other social sciences	5,000	3,000	3,000	4,000	1,500	3,000
Business/industry	3,500	1,500	500	3,000	1,000	2,500
4-year college/university	2,000	2,000	1,000	1,500	500	1,000
Other educational institution	3,000	1,500	3,000	2,000	D	1,500
Government	2,500	1,000	*	2,000	500	2,000
Engineering	11,000	8,500	2,500	9,500	5,000	5,000
Business/industry	10,500	7,500	1,500	9,000	5,000	4,500
4-year college/university	2,500	2,000	1,500	1,000	1,500	1,000
Other educational institution	1,500	S	1,000	500	D	500
Government	4,500	3,000	500	4,000	1,500	2,000
Aerospace/related engineering	2,000	2,000	500	2,000	1,000	1,500
Business/industry	2,000	1,500	500	1,500	500	1,500
4-year college/university	500	500	500	*	*	*
Other educational institution	D	D	D	D	D	D
Government	1,000	1,000	D	1,000	S	500
Chemical engineering	3,000	2,000	S	2,500	1,500	1,500
Business/industry	2,500	1,500	*	2,500	1,500	1,500
4-year college/university	500	500	*	D	*	*
Other educational institution	S	D	S	D	D	D
Government	1,000	500	D	S	D	D
Civil/architectural engineering	5,000	3,500	1,000	4,500	2,000	2,500
Business/industry	4,500	3,000	D	4,000	2,000	2,000
4-year college/university	1,000	500	500	500	D	D
Other educational institution	500	D	S	D	D	D
Government	2,500	1,500	D	2,000	500	1,500
Electrical/computer engineering	7,000	5,000	1,500	6,000	4,000	3,000
Business/industry	7,000	5,000	1,500	5,500	4,000	3,000
4-year college/university	1,500	1,500	1,000	500	1,000	S
Other educational institution	500	D	S	D	D	D
Government	1,500	1,500	D	1,500	1,000	500
Industrial engineering	3,000	2,000	1,000	2,500	1,500	2,000
Business/industry	2,500	2,000	*	2,500	1,500	1,500
4-year college/university	1,000	1,000	S	*	D	*
Other educational institution	D	D	D	D	D	D
Government	1,500	1,000	D	1,500	*	S
Mechanical engineering	4,500	3,500	1,000	4,000	2,000	2,000
Business/industry	4,000	3,000	*	3,500	2,000	1,500
4-year college/university	1,500	1,000	1,000	500	1,000	500
Other educational institution	500	D	500	D	D	D
Government	2,000	1,000	D	1,500	S	1,000

TABLE A-7. Standard errors for employed U.S. scientists and engineers, by level and 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	5,500	4,000	1,000	5,000	2,000	3,000
Business/industry	5,000	3,500	500	4,500	2,000	2,500
4-year college/university	1,000	1,000	500	500	500	S
Other educational institution	1,000	D	500	500	D	D
Government	2,500	2,000	D	2,500	1,000	1,000
S&E-related fields	21,500	11,000	13,000	17,000	5,000	17,000
Business/industry	18,000	9,500	8,500	13,500	4,000	14,500
4-year college/university	7,000	3,500	5,000	5,000	1,500	5,000
Other educational institution	11,500	4,500	10,000	7,500	3,000	7,500
Government	8,500	4,000	3,500	7,000	2,000	6,500
Health	17,500	8,500	10,500	13,500	3,500	15,500
Business/industry	15,500	7,500	8,000	11,500	2,500	13,500
4-year college/university	7,000	3,500	4,500	5,000	1,500	5,000
Other educational institution	8,000	2,500	6,500	5,000	D	6,500
Government	7,000	3,000	3,500	5,500	1,500	6,000
Science/mathematics teacher education	9,500	4,500	8,000	7,000	3,000	4,500
Business/industry	4,000	2,000	S	3,000	1,000	3,000
4-year college/university	1,500	1,000	1,500	1,000	D	D
Other educational institution	8,500	3,500	8,000	6,500	2,500	3,000
Government	3,000	S	S	1,500	D	1,500
Technology/technical fields	4,500	3,000	2,000	4,000	2,500	2,000
Business/industry	4,000	2,500	D	3,500	2,500	2,000
4-year college/university	500	D	D	S	D	D
Other educational institution	2,000	D	S	D	D	D
Government	2,000	D	D	S	D	D
Other S&E-related fields	7,000	5,000	1,000	6,000	1,000	5,000
Business/industry	5,500	4,500	D	4,500	1,000	4,000
4-year college/university	1,500	D	1,000	S	D	D
Other educational institution	2,000	D	D	D	D	D
Government	3,500	2,500	D	3,500	D	3,000
Non-S&E fields	37,000	17,500	21,000	33,500	10,000	20,500
Business/industry	28,500	13,500	7,500	27,000	8,000	16,500
4-year college/university	9,000	4,500	6,500	7,000	2,500	5,500
Other educational institution	21,500	9,500	18,500	16,000	4,000	9,500
Government	13,500	6,000	4,500	12,000	3,500	9,000
Arts/humanities	8,500	4,000	5,000	6,500	2,000	5,000
Business/industry	6,000	3,000	1,500	5,000	2,000	4,000
4-year college/university	3,000	1,500	3,000	1,500	500	2,500
Other educational institution	4,000	2,500	4,000	2,500	D	D
Government	2,500	1,000	D	2,000	D	2,000
Education, except science/mathematics teacher education	23,500	9,500	17,000	18,500	4,500	11,000
Business/industry	10,000	4,500	4,500	8,500	1,500	6,000
4-year college/university	5,000	3,000	4,000	4,000	D	3,000
Other educational institution	19,000	8,500	17,000	14,000	4,000	8,000
Government	5,000	2,500	2,500	4,500	1,500	3,000
Management/administration	25,500	11,500	6,000	25,000	7,500	12,500
Business/industry	23,000	11,000	4,000	22,500	7,000	12,000
4-year college/university	4,000	2,500	2,000	4,000	1,500	2,000
Other educational institution	5,500	1,500	4,500	4,000	D	2,500
Government	8,000	3,500	1,500	7,500	2,500	4,000

TABLE A-7. Standard errors for employed U.S. scientists and engineers, by level and 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	8,500	4,500	2,000	8,000	2,000	4,000
Business/industry	8,000	4,500	D	7,500	2,000	4,000
4-year college/university	D	D	D	D	D	D
Other educational institution	1,500	D	S	D	D	D
Government	S	D	D	D	D	D
Social services/related	13,500	6,000	7,500	10,500	2,500	10,000
Business/industry	11,000	4,500	5,000	9,000	2,000	8,500
4-year college/university	3,000	1,500	2,500	2,500	D	2,500
Other educational institution	5,000	2,000	3,500	3,500	D	4,000
Government	5,500	2,500	2,500	4,500	D	5,000
Other non-S&E fields	14,000	6,500	6,500	12,500	4,000	8,000
Business/industry	9,500	4,500	3,000	8,500	3,000	6,000
4-year college/university	5,000	2,000	3,000	4,000	S	3,000
Other educational institution	5,500	2,500	4,500	4,000	S	2,500
Government	8,500	4,000	2,500	8,000	2,000	5,000
Doctoral degrees, all fields	10,000	7,500	6,000	7,500	2,500	6,000
Business/industry	6,500	5,000	2,500	5,000	2,000	4,500
4-year college/university	6,000	5,000	4,500	3,500	1,000	3,000
Other educational institution	4,500	2,500	3,500	3,000	1,000	2,500
Government	3,500	3,000	1,000	2,500	1,500	1,500
S&E fields	5,500	5,000	3,000	4,000	2,500	3,000
Business/industry	4,000	3,500	1,000	3,500	2,000	2,500
4-year college/university	4,000	3,500	2,500	2,000	1,000	1,500
Other educational institution	1,500	500	1,500	500	1,000	500
Government	2,000	1,500	500	1,500	500	1,000
Sciences	5,000	4,500	3,000	3,500	2,000	2,500
Business/industry	4,000	3,000	1,000	3,000	1,500	2,500
4-year college/university	3,500	3,000	2,500	2,000	1,000	1,500
Other educational institution	1,500	500	1,500	500	S	500
Government	2,000	1,500	500	1,500	500	1,000
Biological/agricultural/environmental life sciences	3,000	3,000	2,000	2,500	1,500	1,500
Business/industry	2,500	2,000	500	2,000	1,000	1,000
4-year college/university	2,500	2,500	1,500	1,500	500	1,000
Other educational institution	1,000	500	1,000	500	D	500
Government	1,500	1,000	500	1,000	500	500
Agricultural/food sciences	1,000	1,000	500	1,000	500	500
Business/industry	1,000	1,000	*	1,000	*	500
4-year college/university	500	500	500	500	*	500
Other educational institution	500	D	500	*	D	D
Government	500	500	D	500	D	500
Biological sciences	3,000	3,000	2,000	2,500	1,500	1,500
Business/industry	2,500	2,000	500	2,000	1,000	1,000
4-year college/university	2,500	2,000	1,500	1,500	500	1,000
Other educational institution	1,000	500	1,000	500	D	500
Government	1,500	1,000	500	1,000	500	500
Environmental life sciences	500	500	500	500	*	500
Business/industry	500	500	*	500	*	*
4-year college/university	500	500	500	500	D	*
Other educational institution	*	D	*	D	D	D
Government	500	500	*	500	*	*

TABLE A-7. Standard errors for employed U.S. scientists and engineers, by level and 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	2,000	1,500	1,000	1,500	1,000	1,500
Business/industry	2,000	1,500	*	1,500	1,000	1,500
4-year college/university	1,500	1,500	1,000	500	500	500
Other educational institution	500	*	500	*	*	*
Government	500	500	D	500	500	*
Computer/information sciences	1,500	1,000	1,000	1,500	1,000	1,500
Business/industry	1,500	1,000	*	1,500	1,000	S
4-year college/university	1,000	1,000	1,000	500	500	500
Other educational institution	*	D	*	D	*	D
Government	500	500	D	*	*	D
Mathematical sciences	1,500	1,000	1,000	1,000	1,000	500
Business/industry	1,000	1,000	*	1,000	500	500
4-year college/university	1,000	1,000	1,000	500	500	500
Other educational institution	500	*	500	*	D	*
Government	500	500	D	500	500	*
Physical/related sciences	2,000	2,000	1,500	1,500	1,000	1,000
Business/industry	2,000	1,500	500	1,500	1,000	1,000
4-year college/university	1,500	1,500	1,500	1,000	500	500
Other educational institution	500	500	500	500	*	500
Government	1,000	1,000	*	500	500	500
Chemistry, except biochemistry	1,500	1,500	1,000	1,500	500	1,000
Business/industry	1,500	1,500	500	1,500	500	1,000
4-year college/university	1,000	1,000	1,000	500	500	500
Other educational institution	500	*	500	500	D	*
Government	1,000	1,000	D	500	*	500
Earth/atmospheric/ocean sciences	1,000	1,000	1,000	1,000	500	500
Business/industry	500	500	500	500	500	500
4-year college/university	1,000	1,000	500	500	500	500
Other educational institution	500	*	*	*	D	D
Government	500	500	D	500	*	500
Physics/astronomy	1,500	1,500	1,000	1,000	1,000	500
Business/industry	1,000	1,000	500	1,000	500	500
4-year college/university	1,000	1,000	1,000	500	500	500
Other educational institution	500	*	500	*	D	*
Government	500	500	D	500	500	500
Other physical sciences	500	500	500	500	*	*
Business/industry	500	500	D	*	D	*
4-year college/university	500	500	500	*	D	D
Other educational institution	D	D	D	D	D	D
Government	*	*	D	*	D	D
Social/related sciences	2,500	2,000	1,500	2,000	500	2,000
Business/industry	2,000	1,500	500	1,500	500	1,500
4-year college/university	2,000	1,500	1,500	1,000	500	1,000
Other educational institution	1,000	500	500	500	*	500
Government	1,000	1,000	500	1,000	500	1,000
Economics	1,000	1,000	1,000	1,000	500	500
Business/industry	500	500	*	500	500	500
4-year college/university	1,000	1,000	1,000	500	*	500
Other educational institution	*	*	*	*	D	D
Government	500	500	D	500	*	500

TABLE A-7. Standard errors for employed U.S. scientists and engineers, by level and 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	1,000	1,000	1,000	1,000	*	1,000
Business/industry	1,000	500	*	1,000	*	500
4-year college/university	1,000	1,000	1,000	500	*	500
Other educational institution	500	*	500	*	D	*
Government	500	500	D	500	D	500
Psychology	2,000	1,500	1,000	1,500	500	1,500
Business/industry	1,500	1,000	500	1,000	500	1,500
4-year college/university	1,500	1,000	1,000	1,000	500	1,000
Other educational institution	500	500	500	500	*	500
Government	1,000	500	500	500	*	500
Sociology/anthropology	1,000	1,000	1,000	1,000	500	500
Business/industry	500	500	*	500	*	500
4-year college/university	1,000	1,000	1,000	500	*	500
Other educational institution	500	*	500	*	D	*
Government	500	500	D	500	*	500
Other social sciences	1,000	1,000	1,000	500	*	500
Business/industry	500	500	*	500	*	500
4-year college/university	1,000	1,000	1,000	500	*	500
Other educational institution	500	*	500	*	D	*
Government	500	500	D	500	D	*
Engineering	2,500	2,000	1,000	1,500	1,500	1,000
Business/industry	2,000	2,000	500	1,500	1,500	1,000
4-year college/university	1,500	1,500	1,000	500	500	500
Other educational institution	500	D	500	*	D	*
Government	1,000	500	*	500	500	500
Aerospace/related engineering	1,000	1,000	500	500	500	*
Business/industry	1,000	1,000	D	500	500	*
4-year college/university	500	500	500	*	D	*
Other educational institution	D	D	D	D	D	D
Government	500	500	D	*	D	D
Chemical engineering	1,000	1,000	500	1,000	500	500
Business/industry	1,000	1,000	*	500	500	500
4-year college/university	500	500	500	500	D	*
Other educational institution	*	D	D	D	D	D
Government	500	500	D	*	*	*
Civil/architectural engineering	1,000	1,000	500	1,000	500	500
Business/industry	1,000	500	D	500	500	500
4-year college/university	500	500	500	500	*	*
Other educational institution	D	D	D	D	D	D
Government	500	500	D	500	D	*
Electrical/computer engineering	1,500	1,500	1,000	1,000	1,000	500
Business/industry	1,500	1,000	*	1,000	1,000	500
4-year college/university	1,000	1,000	1,000	500	500	500
Other educational institution	*	D	*	D	D	D
Government	500	500	D	500	*	D
Industrial engineering	500	500	500	500	500	500
Business/industry	500	500	D	500	500	*
4-year college/university	500	500	500	*	D	*
Other educational institution	D	D	D	D	D	D
Government	*	D	D	*	D	D

TABLE A-7. Standard errors for employed U.S. scientists and engineers, by level and 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	1,000	1,000	500	1,000	500	500
Business/industry	1,000	1,000	D	500	500	500
4-year college/university	500	500	500	500	*	*
Other educational institution	*	D	*	D	D	D
Government	500	500	D	500	*	*
Other engineering	1,500	1,500	500	1,000	500	500
Business/industry	1,500	1,000	*	1,000	500	500
4-year college/university	1,000	1,000	500	500	500	500
Other educational institution	*	D	*	*	D	D
Government	500	500	D	500	*	500
S&E-related fields	4,000	3,500	2,000	2,500	1,000	2,500
Business/industry	2,500	2,500	500	1,500	1,000	2,500
4-year college/university	2,000	2,000	1,500	1,000	500	1,000
Other educational institution	1,500	1,000	1,500	1,000	D	500
Government	2,500	2,000	S	1,500	500	1,000
Health	3,000	2,500	1,500	2,000	1,000	2,500
Business/industry	2,000	1,500	500	1,500	500	2,000
4-year college/university	1,500	1,000	1,000	1,000	*	1,000
Other educational institution	1,000	S	S	*	D	*
Government	2,000	2,000	S	1,500	500	1,000
Science/mathematics teacher education	1,500	1,500	1,500	1,000	D	D
Business/industry	D	D	D	D	D	D
4-year college/university	1,000	1,000	1,000	500	D	D
Other educational institution	1,500	D	1,000	D	D	D
Government	D	D	D	D	D	D
Technology/technical fields	1,500	1,500	D	S	1,000	D
Business/industry	1,000	1,000	D	D	1,000	D
4-year college/university	S	S	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	1,500	1,500	500	500	D	D
Business/industry	D	D	D	D	D	D
4-year college/university	500	500	500	D	D	D
Other educational institution	D	D	D	D	D	D
Government	D	D	D	D	D	D
Non-S&E fields	8,000	4,500	5,000	6,000	1,500	4,500
Business/industry	5,000	2,500	2,500	4,000	1,000	3,500
4-year college/university	4,500	3,000	3,500	2,500	500	2,500
Other educational institution	4,000	2,500	3,000	3,000	D	2,000
Government	2,000	S	D	S	S	D
Arts/humanities	2,500	2,000	1,500	2,000	D	2,000
Business/industry	1,500	S	D	500	D	S
4-year college/university	2,000	1,500	1,500	1,500	D	1,000
Other educational institution	500	D	500	D	D	D
Government	D	D	D	D	D	D
Education, except science/mathematics teacher education	6,000	3,000	4,000	5,000	S	3,500
Business/industry	3,000	2,000	1,500	2,500	D	2,000
4-year college/university	3,000	2,000	2,500	2,000	D	2,000
Other educational institution	3,500	2,000	3,000	3,000	D	2,000
Government	S	D	D	D	D	D

TABLE A-7. Standard errors for employed U.S. scientists and engineers, by level and 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	2,500	2,000	1,500	2,000	D	S
Business/industry	2,000	S	D	2,000	D	D
4-year college/university	1,500	1,500	1,500	1,000	D	D
Other educational institution	D	D	D	D	D	D
Government	D	D	D	D	D	D
Sales/marketing	1,000	1,000	1,000	D	D	D
Business/industry	D	D	D	D	D	D
4-year college/university	1,000	1,000	1,000	D	D	D
Other educational institution	D	D	D	D	D	D
Government	D	D	D	D	D	D
Social services/related	3,500	2,000	2,500	2,500	S	2,000
Business/industry	2,000	D	1,500	2,000	D	1,500
4-year college/university	2,000	1,500	1,500	1,000	D	S
Other educational institution	S	D	S	D	D	D
Government	D	D	D	D	D	D
Other non-S&E fields	3,500	2,000	1,500	3,000	S	2,000
Business/industry	3,000	1,500	D	3,000	D	2,000
4-year college/university	1,500	1,000	1,500	500	D	D
Other educational institution	D	D	D	D	D	D
Government	500	D	D	D	D	D

* = standard error is not computed when value < 500. 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.

TABLE A-8. Standard errors for employed U.S. scientists and engineers, by level and field of highest degree, sex, ethnicity, and race: 2006

Level and field of highest degree	Employed scientists and engineers	Sex		Hispanic or Latino	Not Hispanic or Latino				
		Male	Female		American Indian or Alaska Native	Asian	Black or African American	White	Other[a]
All degree levels and fields[b]	81,000	60,500	54,000	20,500	6,500	21,500	20,000	75,000	12,500
S&E fields	63,500	49,500	38,000	15,500	4,500	17,500	15,000	58,500	9,500
Sciences	61,000	45,000	38,500	14,000	4,500	15,500	14,500	57,500	9,000
Biological/agricultural/environmental life sciences	27,500	20,000	18,500	6,000	1,500	7,000	5,000	24,500	4,000
Agricultural sciences	12,500	10,000	8,500	3,000	S	3,000	1,500	12,000	2,000
Biological sciences	23,500	16,000	16,000	5,500	1,500	6,500	5,000	21,500	3,000
Environmental life sciences	10,500	8,500	6,000	2,000	500	1,500	1,000	10,000	2,000
Computer/mathematical sciences	24,000	18,000	15,000	6,000	2,500	10,000	6,500	22,000	4,000
Computer/information sciences	18,000	15,000	10,500	5,500	2,500	9,000	5,500	17,500	3,500
Mathematics/statistics	17,000	12,500	10,500	2,500	*	4,500	4,000	15,000	2,000
Physical/related sciences	13,500	12,500	8,000	3,500	1,000	5,000	2,500	12,000	1,500
Chemistry, except biochemistry	10,500	9,000	6,500	2,500	S	4,000	1,500	9,000	1,500
Earth/atmospheric/ocean sciences	8,500	7,500	4,000	1,500	*	1,500	500	8,500	1,000
Physics/astronomy	6,500	6,000	2,500	1,500	*	3,000	1,500	5,500	500
Other physical sciences	5,000	4,000	3,500	1,500	D	500	2,000	4,500	S
Social/related sciences	48,000	32,000	33,500	11,000	3,500	9,500	11,500	45,000	7,000
Economics	20,500	18,000	11,000	4,500	*	6,500	3,500	18,500	2,500
Political/related sciences	22,000	17,500	13,500	4,500	1,000	4,500	5,500	20,000	3,500
Psychology	27,000	16,000	22,000	7,000	2,000	4,500	7,000	25,500	4,000
Sociology/anthropology	21,000	14,000	16,500	5,000	2,000	4,500	6,500	19,000	4,000
Other social sciences	15,500	10,500	12,000	4,000	S	3,000	4,000	14,000	2,500
Engineering	26,500	25,000	9,000	7,000	1,500	10,500	4,500	23,000	3,500
Aerospace/aeronautical/astronautical engineering	6,000	5,500	1,500	1,500	500	1,500	1,000	5,000	1,500
Chemical engineering	6,500	6,500	3,500	1,500	1,000	3,000	1,000	6,000	1,500
Civil/architectural engineering	11,500	11,000	4,000	3,500	500	4,000	2,000	10,000	2,000
Electrical/computer engineering	15,000	14,000	5,500	4,000	500	7,500	3,500	12,500	2,500
Industrial engineering	8,000	7,500	3,500	2,000	D	2,500	2,000	7,500	1,000
Mechanical engineering	12,500	12,500	3,000	2,500	500	4,500	2,500	11,000	1,500
Other engineering	10,000	9,500	4,000	3,000	*	4,000	1,500	9,000	1,000
S&E-related fields	44,500	29,000	33,500	10,500	3,500	13,500	10,000	42,000	7,500
Health	37,000	20,000	31,000	9,000	3,000	12,000	9,500	34,500	6,500
Science/mathematics teacher education	16,000	10,000	11,500	2,500	D	2,500	2,500	15,000	1,500
Technology/technical fields	13,000	12,500	5,000	3,500	D	4,000	4,000	11,000	2,000
Other S&E-related fields	14,500	13,000	7,000	3,500	D	3,500	3,000	14,000	1,500
Non-S&E fields	47,000	36,000	33,500	10,000	3,500	11,000	12,000	43,500	5,000
Arts/humanities	13,500	10,500	9,000	3,000	D	3,500	1,500	12,500	1,000
Education, except science/mathematics teacher education	25,000	17,000	21,000	5,500	2,500	3,500	7,000	24,500	2,500

TABLE A-8. Standard errors for employed U.S. scientists and engineers, by level and field of highest degree, sex, ethnicity, and race: 2006

Level and field of highest degree	Employed scientists and engineers	Sex		Hispanic or Latino	Not Hispanic or Latino				
		Male	Female		American Indian or Alaska Native	Asian	Black or African American	White	Other[a]
Management/administration	31,000	23,500	16,500	6,500	2,000	8,500	6,500	28,000	3,500
Sales/marketing	10,000	8,000	6,500	2,000	D	2,500	2,000	9,500	S
Social services/related	15,500	10,500	11,500	3,500	500	2,500	4,500	14,000	2,000
Other non-S&E fields	28,500	21,000	19,000	5,500	2,000	5,500	7,000	26,000	3,500
Bachelor's degrees	66,500	50,500	43,000	17,000	5,500	17,000	17,000	61,500	11,000
S&E fields	59,500	45,500	35,500	14,500	4,000	16,000	14,000	54,500	8,500
Sciences	58,000	43,000	36,000	13,000	4,500	14,500	13,500	53,500	8,000
Biological/agricultural/environmental life sciences	27,500	19,500	18,500	6,000	1,500	6,500	5,000	24,500	3,500
Agricultural sciences	12,500	10,000	8,500	2,500	S	3,000	1,500	12,000	2,000
Biological sciences	23,000	15,500	16,000	5,500	1,500	6,000	5,000	21,000	3,000
Environmental life sciences	9,000	7,500	5,500	2,000	500	1,500	1,000	8,500	S
Computer/mathematical sciences	21,500	17,000	13,500	5,500	2,500	9,000	6,000	20,000	4,000
Computer/information sciences	15,500	14,000	9,500	5,500	2,500	8,000	5,000	15,500	3,500
Mathematics/statistics	15,500	11,500	9,500	2,500	D	4,000	3,500	14,000	2,000
Physical/related sciences	13,000	12,000	7,500	3,000	1,000	4,500	2,500	12,000	1,500
Chemistry, except biochemistry	10,000	8,500	6,000	2,500	S	3,500	1,500	8,500	1,000
Earth/atmospheric/ocean sciences	7,500	6,500	3,500	1,500	*	1,000	500	7,500	500
Physics/astronomy	6,000	5,500	2,000	1,000	*	3,000	1,000	5,000	500
Other physical sciences	5,000	4,000	3,000	1,500	D	500	S	4,500	D
Social/related sciences	44,500	30,500	30,500	10,500	3,000	9,500	11,000	41,500	6,500
Economics	20,500	17,500	10,000	4,000	D	6,500	3,500	18,000	2,500
Political/related sciences	19,500	16,500	12,000	4,500	500	4,500	5,000	18,000	3,000
Psychology	24,000	14,500	20,000	6,500	2,000	4,500	6,500	22,500	3,500
Sociology/anthropology	20,500	13,500	16,500	5,000	2,000	4,500	6,000	19,000	4,000
Other social sciences	14,500	9,500	11,000	3,500	S	2,500	4,000	13,000	2,500
Engineering	24,000	22,500	7,500	6,000	1,500	9,000	4,500	20,000	3,500
Aerospace/aeronautical/astronautical engineering	5,000	5,000	1,500	1,500	D	1,000	1,000	4,500	1,500
Chemical engineering	6,500	6,000	3,000	1,500	S	2,500	1,000	5,500	1,500
Civil/architectural engineering	10,000	10,000	3,000	3,000	500	3,500	2,000	9,000	2,000
Electrical/computer engineering	12,500	11,500	4,500	3,500	500	6,000	3,000	10,500	2,000
Industrial engineering	7,500	7,000	3,000	2,000	D	2,000	2,000	7,000	1,000
Mechanical engineering	11,500	11,500	3,000	2,500	500	4,000	2,500	10,500	1,500
Other engineering	9,000	8,500	3,500	2,500	D	3,000	1,000	8,500	1,000
S&E-related fields	36,000	21,500	28,500	7,500	3,000	10,500	8,000	33,000	6,000
Health	28,500	11,000	26,000	6,500	2,500	9,000	7,500	26,000	6,000
Science/mathematics teacher education	12,000	7,500	8,000	2,000	D	2,000	1,000	12,000	D
Technology/technical fields	12,000	12,000	5,000	3,500	D	3,500	3,500	10,000	2,000
Other S&E-related fields	12,500	11,000	6,000	3,000	D	3,000	2,500	12,000	1,000

TABLE A-8. Standard errors for employed U.S. scientists and engineers, by level and field of highest degree, sex, ethnicity, and race: 2006

Level and field of highest degree	Employed scientists and engineers	Sex		Hispanic or Latino	Not Hispanic or Latino				
		Male	Female		American Indian or Alaska Native	Asian	Black or African American	White	Other[a]
Non-S&E fields	27,000	19,500	19,000	4,000	2,500	5,500	5,500	24,500	3,000
Arts/humanities	11,000	8,500	7,000	2,000	D	2,000	1,500	11,000	1,000
Education, except science/mathematics teacher education	10,500	6,000	9,500	1,500	D	2,000	2,000	10,000	S
Management/administration	17,000	12,500	10,500	2,500	D	4,500	4,000	14,000	2,500
Sales/marketing	5,500	4,500	4,000	1,000	D	D	S	5,500	D
Social services/related	5,000	3,500	3,000	D	D	D	1,500	4,500	D
Other non-S&E fields	10,500	7,000	8,000	2,000	D	2,000	3,000	10,000	1,500
Master's degrees	50,000	37,000	34,000	9,500	3,000	12,500	12,000	44,000	6,000
S&E fields	25,000	19,500	15,500	5,500	1,500	9,000	5,000	22,500	3,500
Sciences	22,000	15,500	15,000	5,000	1,500	7,000	5,000	19,500	3,500
Biological/agricultural/environmental life sciences	9,000	6,500	6,000	2,500	S	2,500	1,500	8,000	1,500
Agricultural sciences	3,500	3,000	2,500	1,000	D	1,000	S	3,000	S
Biological sciences	8,000	5,500	5,500	2,000	*	2,000	1,500	7,000	1,000
Environmental life sciences	4,500	3,500	2,500	*	D	1,000	500	4,000	S
Computer/mathematical sciences	11,000	9,500	6,000	1,500	S	5,500	2,500	9,000	1,500
Computer/information sciences	9,500	8,500	5,000	1,500	D	5,000	2,000	8,000	1,500
Mathematics/statistics	5,500	4,500	3,500	500	D	2,500	1,500	5,000	500
Physical/related sciences	6,000	5,000	3,500	1,500	*	3,000	1,000	5,000	1,000
Chemistry, except biochemistry	3,500	2,500	2,500	500	D	2,000	500	3,000	500
Earth/atmospheric/ocean sciences	4,000	3,500	2,000	500	*	1,500	*	4,000	500
Physics/astronomy	3,000	3,000	1,500	1,000	D	1,500	1,000	2,500	*
Other physical sciences	1,500	1,000	1,500	D	D	D	S	1,500	D
Social/related sciences	15,500	10,500	12,000	4,000	1,000	3,500	4,000	14,500	2,500
Economics	6,000	5,000	3,500	1,500	D	2,000	1,000	5,500	S
Political/related sciences	8,500	6,500	5,500	2,000	D	2,000	2,000	7,500	1,000
Psychology	12,500	7,000	10,000	2,500	500	2,000	3,500	11,000	2,000
Sociology/anthropology	5,000	4,000	3,000	2,000	S	1,000	1,500	4,500	S
Other social sciences	5,000	3,500	4,000	2,000	*	1,000	1,500	4,500	500
Engineering	11,000	11,000	4,500	3,000	500	5,500	1,500	9,500	2,000
Aerospace/aeronautical/astronautical engineering	2,000	2,000	1,000	S	D	1,000	*	2,000	500
Chemical engineering	3,000	2,500	1,500	1,000	D	2,000	500	2,000	*
Civil/architectural engineering	5,000	4,500	2,500	1,000	D	2,000	1,000	4,000	1,000
Electrical/computer engineering	7,000	7,000	2,500	2,000	D	4,000	1,000	5,500	1,000
Industrial engineering	3,000	2,500	1,500	1,000	D	1,500	1,000	3,000	*
Mechanical engineering	4,500	4,000	1,500	1,000	D	2,000	1,000	4,000	1,000
Other engineering	5,500	5,500	2,000	1,500	*	2,500	1,000	4,500	500

TABLE A-8. Standard errors for employed U.S. scientists and engineers, by level and field of highest degree, sex, ethnicity, and race: 2006

Level and field of highest degree	Employed scientists and engineers	Sex		Hispanic or Latino	Not Hispanic or Latino				
		Male	Female		American Indian or Alaska Native	Asian	Black or African American	White	Other[a]
S&E-related fields	21,500	12,500	18,000	4,000	1,500	5,000	5,500	19,500	3,000
Health	17,500	8,000	15,500	3,000	1,500	4,500	4,500	16,000	2,500
Science/mathematics teacher education	9,500	5,500	7,500	2,000	D	2,000	2,500	8,500	1,500
Technology/technical fields	4,500	4,000	2,500	1,000	D	2,000	2,000	3,500	D
Other S&E-related fields	7,000	6,000	4,000	1,500	D	2,000	1,500	6,500	S
Non-S&E fields	37,000	29,000	27,000	8,000	2,500	9,000	10,500	33,000	3,500
Arts/humanities	8,500	5,500	6,000	2,000	D	3,000	D	7,500	1,000
Education, except science/mathematics teacher education	23,500	15,000	19,000	5,000	2,000	3,500	6,500	22,000	2,500
Management/administration	25,500	21,000	13,500	6,000	1,500	7,000	5,500	23,000	2,500
Sales/marketing	8,500	7,000	5,000	2,000	D	2,500	2,000	8,000	D
Social services/related	13,500	9,000	10,500	3,000	500	2,500	4,500	12,500	1,500
Other non-S&E fields	14,000	10,000	9,500	2,500	D	3,500	5,000	12,000	1,500
Doctoral degrees	10,000	7,500	6,000	2,000	500	3,500	2,500	9,500	1,000
S&E fields	5,500	4,500	3,000	1,000	500	3,000	1,000	4,500	500
Sciences	5,000	4,000	3,000	1,000	500	2,500	1,000	4,000	500
Biological/agricultural/environmental life sciences	3,000	2,500	2,000	1,000	*	2,000	500	2,500	500
Agricultural sciences	1,000	1,000	500	500	D	500	500	500	*
Biological sciences	3,000	2,500	2,000	1,000	*	2,000	500	2,500	500
Environmental life sciences	500	500	500	*	D	500	*	500	D
Computer/mathematical sciences	2,000	2,000	500	500	D	1,000	500	2,000	*
Computer/information sciences	1,500	1,500	500	*	D	1,000	500	1,500	*
Mathematics/statistics	1,500	1,000	500	500	D	500	500	1,000	*
Physical/related sciences	2,000	2,000	1,000	500	*	1,000	500	2,000	500
Chemistry, except biochemistry	1,500	1,500	500	500	*	1,000	500	1,500	500
Earth/atmospheric/ocean sciences	1,000	1,000	500	*	D	500	*	1,000	*
Physics/astronomy	1,500	1,500	500	500	D	1,000	500	1,500	*
Other physical sciences	500	500	500	D	D	*	D	500	D
Social/related sciences	2,500	1,500	2,000	500	500	1,000	500	2,000	500
Economics	1,000	1,000	500	500	D	500	500	500	*
Political/related sciences	1,000	1,000	500	500	*	500	500	1,000	*
Psychology	2,000	1,000	1,500	500	*	1,000	500	1,500	500
Sociology/anthropology	1,000	500	500	500	*	500	500	1,000	500
Other social sciences	1,000	1,000	1,000	500	*	500	500	1,000	*
Engineering	2,500	2,000	1,000	500	*	1,500	500	1,500	500
Aerospace/aeronautical/astronautical engineering	1,000	1,000	*	*	D	500	*	1,000	D
Chemical engineering	1,000	1,000	500	500	D	1,000	500	1,000	*
Civil/architectural engineering	1,000	1,000	500	*	D	500	*	1,000	D

TABLE A-8. Standard errors for employed U.S. scientists and engineers, by level and field of highest degree, sex, ethnicity, and race: 2006

Level and field of highest degree	Employed scientists and engineers	Sex		Hispanic or Latino	Not Hispanic or Latino				
		Male	Female		American Indian or Alaska Native	Asian	Black or African American	White	Other[a]
Electrical/computer engineering	1,500	1,500	1,000	500	D	1,000	500	1,000	500
Industrial engineering	500	500	500	*	D	500	*	500	D
Mechanical engineering	1,000	1,000	500	*	D	1,000	*	1,000	*
Other engineering	1,500	1,500	500	500	D	1,000	500	1,000	*
S&E-related fields	4,000	3,000	2,500	1,000	*	1,500	1,000	3,500	500
Health	3,000	2,500	2,500	1,000	*	1,000	1,000	2,500	500
Science/mathematics teacher education	1,500	1,500	1,000	D	D	D	500	1,500	D
Technology/technical fields	1,500	1,000	D	D	D	1,000	D	1,000	D
Other S&E-related fields	1,500	S	500	D	D	D	D	1,500	D
Non-S&E fields	8,000	6,000	5,000	2,000	D	2,000	2,000	7,500	1,000
Arts/humanities	2,500	2,000	2,000	S	D	*	D	2,500	D
Education, except science/mathematics teacher education	6,000	4,000	4,000	1,000	D	1,000	2,000	5,500	500
Management/administration	2,500	2,500	1,000	D	D	1,500	D	2,000	D
Sales/marketing	1,000	500	D	D	D	D	D	D	D
Social services/related	3,500	3,000	1,500	D	D	500	1,000	3,000	D
Other non-S&E fields	3,500	2,500	2,000	S	D	*	D	3,000	D

* = standard error is not computed when value < 500. 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.

TABLE A-9. Standard errors for employed U.S. scientists and engineers, by highest degree, occupation, citizenship status, and employment sector: 2008

Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment: Business/ industry	4-year college/ university	Other educational institution	Government
All degree levels and occupations[a]	81,000	73,000	24,000	34,000	37,000
U.S. citizen	80,500	72,500	23,000	33,500	36,500
Native-born	78,500	67,000	21,500	32,500	36,000
Naturalized	25,500	22,500	8,000	9,000	11,000
Non-U.S. citizen	15,500	14,500	5,000	5,500	4,000
Permanent resident	15,000	14,000	4,000	5,000	4,000
Temporary resident	6,500	6,000	3,000	1,500	1,000
S&E occupations	45,000	36,500	12,500	7,500	17,000
U.S. citizen	43,500	36,000	11,500	7,500	17,000
Native-born	39,500	31,500	11,000	7,000	15,500
Naturalized	13,500	12,000	3,500	2,000	5,000
Non-U.S. citizen	8,500	7,500	4,500	1,000	2,000
Permanent resident	7,500	7,000	3,500	500	2,000
Temporary resident	5,000	4,500	3,000	S	1,000
Science occupations	36,000	28,000	11,500	7,500	14,500
U.S. citizen	34,500	27,500	10,500	7,500	14,000
Native-born	31,500	24,000	10,000	7,500	13,000
Naturalized	12,000	10,500	3,500	2,000	3,500
Non-U.S. citizen	8,000	7,000	4,000	1,000	1,500
Permanent resident	7,000	6,000	3,500	500	1,500
Temporary resident	4,000	3,500	2,500	S	500
Biological/agricultural/other life scientists	12,500	8,500	7,000	2,500	6,500
U.S. citizen	12,500	8,500	6,500	2,500	6,500
Native-born	11,500	7,500	6,000	2,500	6,500
Naturalized	4,000	3,000	2,500	500	2,000
Non-U.S. citizen	3,500	2,000	3,000	*	1,000
Permanent resident	3,500	2,000	3,000	*	1,000
Temporary resident	1,500	1,000	1,000	D	*
Agricultural/food scientists	5,500	4,500	2,000	D	3,000
U.S. citizen	5,500	4,500	2,000	D	3,000
Native-born	5,500	4,000	2,000	D	3,000
Naturalized	1,500	1,500	*	D	*
Non-U.S. citizen	1,500	500	1,000	D	D
Permanent resident	1,500	500	S	D	D
Temporary resident	500	*	500	D	D
Biological/medical scientists	10,000	6,500	5,500	*	5,500
U.S. citizen	10,000	6,500	5,500	*	5,500
Native-born	9,000	6,000	5,000	*	5,000
Naturalized	4,000	3,000	2,500	D	1,500
Non-U.S. citizen	3,000	2,000	2,500	D	1,000
Permanent resident	3,000	1,500	2,500	D	500
Temporary resident	1,500	1,000	1,000	D	*
Environmental life scientists	4,000	2,500	1,000	D	3,500
U.S. citizen	4,000	2,000	500	D	3,500
Native-born	4,000	2,000	500	D	3,500
Naturalized	S	D	D	D	S
Non-U.S. citizen	S	S	S	D	D
Permanent resident	S	D	D	D	D
Temporary resident	D	D	D	D	D

TABLE A-9. Standard errors for employed U.S. scientists and engineers, by highest degree, occupation, citizenship status, and employment sector: 2008

Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment: Business/ industry	4-year college/ university	Other educational institution	Government
Postsecondary teachers-life/related sciences	4,500	*	4,000	2,500	S
U.S. citizen	4,500	*	3,500	2,500	S
Native-born	4,000	*	3,000	2,500	S
Naturalized	1,500	D	1,500	500	D
Non-U.S. citizen	1,500	D	1,500	*	D
Permanent resident	1,500	D	1,000	*	D
Temporary resident	500	D	500	D	D
Computer/mathematical scientists	26,000	22,000	7,500	5,000	9,500
U.S. citizen	25,500	21,500	7,000	5,000	9,500
Native-born	22,500	18,500	6,500	5,000	8,500
Naturalized	10,000	9,500	2,000	1,500	3,000
Non-U.S. citizen	7,000	6,500	2,000	500	1,500
Permanent resident	6,000	5,500	1,500	500	1,500
Temporary resident	4,000	3,500	1,500	D	500
Computer/information scientists	24,500	22,000	6,500	4,000	8,000
U.S. citizen	24,500	21,500	6,000	4,000	8,000
Native-born	21,500	18,500	6,000	4,000	7,000
Naturalized	10,000	9,000	2,000	1,500	3,000
Non-U.S. citizen	6,500	6,500	1,500	D	1,500
Permanent resident	6,000	5,500	1,500	D	1,500
Temporary resident	3,500	3,500	1,000	D	500
Mathematical scientists	7,000	5,500	2,000	1,000	4,000
U.S. citizen	6,500	5,500	2,000	S	4,000
Native-born	6,500	5,000	2,000	D	4,000
Naturalized	2,000	2,000	500	D	1,000
Non-U.S. citizen	1,500	1,000	500	D	500
Permanent resident	1,000	1,000	500	D	D
Temporary resident	1,000	1,000	500	D	D
Postsecondary teachers-computer/mathematical sciences	5,000	500	3,500	3,000	S
U.S. citizen	4,500	500	3,000	3,000	S
Native-born	4,500	S	3,000	3,000	S
Naturalized	1,500	D	1,000	1,000	D
Non-U.S. citizen	1,500	D	1,500	500	D
Permanent resident	1,000	D	1,000	*	D
Temporary resident	1,000	D	1,000	D	D
Physical/related scientists	9,000	7,500	3,000	1,500	4,500
U.S. citizen	9,000	7,500	2,500	1,500	4,500
Native-born	8,500	6,500	2,500	1,500	4,500
Naturalized	3,000	3,000	1,000	S	1,000
Non-U.S. citizen	2,500	2,000	1,500	*	500
Permanent resident	2,000	2,000	1,000	D	500
Temporary resident	1,000	500	1,000	D	*
Chemists, except biochemists	6,000	6,000	1,500	D	2,000
U.S. citizen	6,000	5,500	1,000	D	2,000
Native-born	5,000	4,500	1,000	D	2,000
Naturalized	3,000	3,000	1,000	D	500
Non-U.S. citizen	2,000	2,000	500	D	*
Permanent resident	2,000	2,000	500	D	D
Temporary resident	500	500	500	D	D

TABLE A-9. Standard errors for employed U.S. scientists and engineers, by highest degree, occupation, citizenship status, and employment sector: 2008

Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment: Business/ industry	4-year college/ university	Other educational institution	Government
Earth/atmospheric/ocean scientists	4,500	3,500	1,000	D	3,000
U.S. citizen	4,500	3,500	1,000	D	3,000
Native-born	4,500	3,000	1,000	D	3,000
Naturalized	1,000	500	500	D	500
Non-U.S. citizen	1,000	500	500	D	*
Permanent resident	500	500	500	D	*
Temporary resident	500	500	500	D	D
Physicists/astronomers	1,500	1,000	1,000	D	1,000
U.S. citizen	1,500	1,000	1,000	D	1,000
Native-born	1,500	1,000	1,000	D	1,000
Naturalized	1,000	500	500	D	500
Non-U.S. citizen	1,000	500	500	D	*
Permanent resident	500	500	500	D	*
Temporary resident	500	*	500	D	*
Postsecondary teachers-physical/related sciences	3,000	S	2,500	1,500	D
U.S. citizen	2,500	S	2,000	1,500	D
Native-born	2,500	D	2,000	1,500	D
Naturalized	1,000	D	1,000	S	D
Non-U.S. citizen	1,000	D	1,000	*	D
Permanent resident	1,000	D	1,000	D	D
Temporary resident	500	D	500	D	D
Other physical/related scientists	4,000	2,500	500	D	2,500
U.S. citizen	4,000	2,500	500	D	2,500
Native-born	4,000	2,500	500	D	2,500
Naturalized	500	500	D	D	S
Non-U.S. citizen	500	500	500	D	D
Permanent resident	500	*	D	D	D
Temporary resident	500	*	*	D	D
Social/related scientists	13,000	9,500	5,000	5,000	5,500
U.S. citizen	12,500	9,500	5,000	5,000	5,500
Native-born	12,000	9,000	5,000	5,000	5,000
Naturalized	3,000	2,500	1,500	1,000	1,000
Non-U.S. citizen	2,000	1,500	2,000	1,000	500
Permanent resident	1,500	1,500	1,000	S	S
Temporary resident	1,500	1,000	1,500	D	*
Economists	2,500	2,000	1,000	D	2,000
U.S. citizen	2,500	2,000	1,000	D	2,000
Native-born	2,500	2,000	1,000	D	2,000
Naturalized	500	500	500	D	*
Non-U.S. citizen	1,000	500	500	D	*
Permanent resident	500	500	*	D	*
Temporary resident	1,000	500	500	D	D
Political/related scientists	3,000	2,500	1,000	D	2,000
U.S. citizen	3,000	2,000	1,000	D	2,000
Native-born	3,000	2,000	1,000	D	2,000
Naturalized	S	D	D	D	D
Non-U.S. citizen	1,000	S	500	D	D
Permanent resident	*	D	*	D	D
Temporary resident	1,000	D	S	D	D

TABLE A-9. Standard errors for employed U.S. scientists and engineers, by highest degree, occupation, citizenship status, and employment sector: 2008

Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment: Business/ industry	4-year college/ university	Other educational institution	Government
Postsecondary teachers-social/related sciences	5,000	500	4,000	3,000	*
U.S. citizen	5,000	500	4,000	3,000	*
Native-born	5,000	500	3,500	3,000	*
Naturalized	1,000	D	1,000	*	D
Non-U.S. citizen	1,500	D	1,500	*	D
Permanent resident	1,000	D	1,000	*	D
Temporary resident	1,500	D	1,500	D	D
Psychologists	7,000	5,000	2,500	4,000	2,500
U.S. citizen	7,000	5,000	2,500	4,000	2,500
Native-born	7,000	4,500	2,000	4,000	2,500
Naturalized	2,000	1,500	1,000	1,000	500
Non-U.S. citizen	1,000	1,000	1,000	D	D
Permanent resident	1,000	1,000	S	D	D
Temporary resident	1,000	D	500	D	D
Sociologists/anthropologists	2,500	2,000	1,500	500	1,000
U.S. citizen	2,500	2,000	1,500	500	1,000
Native-born	2,500	2,000	1,500	500	1,000
Naturalized	500	S	*	D	*
Non-U.S. citizen	500	*	*	D	D
Permanent resident	*	D	*	D	D
Temporary resident	500	D	*	D	D
Other social/related scientists	8,500	7,000	2,500	1,000	4,000
U.S. citizen	8,500	7,000	2,500	1,000	4,000
Native-born	8,500	7,000	2,500	500	4,000
Naturalized	2,000	1,500	*	D	1,000
Non-U.S. citizen	1,000	1,000	500	D	D
Permanent resident	1,000	1,000	S	D	D
Temporary resident	500	500	500	D	D
Engineering occupations	20,500	19,000	3,500	1,000	7,500
U.S. citizen	20,000	18,500	3,000	1,000	7,500
Native-born	18,500	17,000	3,000	1,000	7,000
Naturalized	7,500	6,500	1,500	500	3,000
Non-U.S. citizen	4,500	4,500	1,500	D	1,000
Permanent resident	3,500	3,500	1,000	D	1,000
Temporary resident	3,000	2,500	1,500	D	500
Aerospace/aeronautical/astronautical engineers	5,000	4,500	500	D	2,500
U.S. citizen	5,000	4,500	500	D	2,500
Native-born	5,000	4,500	500	D	2,000
Naturalized	2,000	1,500	*	D	1,000
Non-U.S. citizen	1,000	500	500	D	D
Permanent resident	500	500	*	D	D
Temporary resident	500	*	500	D	D
Chemical engineers	4,500	4,000	1,500	D	1,500
U.S. citizen	4,500	4,000	1,500	D	1,500
Native-born	4,500	3,500	1,500	D	1,000
Naturalized	1,500	1,500	*	D	S
Non-U.S. citizen	1,000	1,000	500	D	D
Permanent resident	1,000	1,000	*	D	D
Temporary resident	500	500	*	D	D

TABLE A-9. Standard errors for employed U.S. scientists and engineers, by highest degree, occupation, citizenship status, and employment sector: 2008

Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment: Business/ industry	4-year college/ university	Other educational institution	Government
Civil/architectural/sanitary engineers	7,500	6,000	1,000	D	5,000
U.S. citizen	7,500	6,000	1,000	D	5,000
Native-born	7,500	6,000	1,000	D	4,500
Naturalized	3,000	2,500	*	D	2,500
Non-U.S. citizen	1,500	1,500	500	D	1,000
Permanent resident	1,000	1,000	D	D	1,000
Temporary resident	1,000	1,000	500	D	*
Electrical/computer hardware engineers	8,500	8,000	1,500	500	3,000
U.S. citizen	8,500	8,000	1,500	500	3,000
Native-born	7,500	7,000	1,000	D	2,500
Naturalized	4,500	4,500	500	D	1,500
Non-U.S. citizen	3,000	3,000	1,000	D	D
Permanent resident	2,500	2,500	500	D	D
Temporary resident	2,000	2,000	500	D	D
Industrial engineers	5,500	5,500	500	D	1,500
U.S. citizen	5,500	5,000	500	D	1,500
Native-born	5,000	4,500	500	D	1,500
Naturalized	2,500	2,500	D	D	D
Non-U.S. citizen	1,500	1,500	*	D	D
Permanent resident	1,000	1,000	D	D	D
Temporary resident	1,500	1,500	*	D	D
Mechanical engineers	8,500	8,000	1,500	D	2,500
U.S. citizen	8,500	8,000	1,500	D	2,500
Native-born	8,000	7,500	1,000	D	2,500
Naturalized	3,000	2,500	500	D	1,000
Non-U.S. citizen	2,000	1,500	500	D	*
Permanent resident	1,500	1,500	D	D	D
Temporary resident	1,500	1,000	500	D	*
Postsecondary teachers-engineering	2,000	D	2,000	1,000	*
U.S. citizen	2,000	D	2,000	1,000	*
Native-born	2,000	D	1,500	1,000	*
Naturalized	1,000	D	1,000	D	D
Non-U.S. citizen	1,000	D	1,000	D	D
Permanent resident	500	D	500	D	D
Temporary resident	1,000	D	1,000	D	D
Other engineers	11,000	10,000	1,500	D	4,000
U.S. citizen	10,500	10,000	1,500	D	4,000
Native-born	10,000	9,500	1,500	D	4,000
Naturalized	2,500	2,500	500	D	1,000
Non-U.S. citizen	2,500	2,000	1,000	D	500
Permanent resident	2,000	2,000	1,000	D	500
Temporary resident	1,500	1,500	500	D	*
S&E-related occupations	50,000	39,000	14,000	23,000	17,000
U.S. citizen	49,500	39,000	14,000	23,000	16,500
Native-born	45,000	36,000	13,000	22,000	16,000
Naturalized	17,000	15,000	5,000	5,000	6,000
Non-U.S. citizen	8,000	7,000	2,500	3,000	2,000
Permanent resident	7,500	6,500	2,000	3,000	2,000
Temporary resident	3,000	2,500	1,500	S	D

TABLE A-9. Standard errors for employed U.S. scientists and engineers, by highest degree, occupation, citizenship status, and employment sector: 2008

Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment: Business/ industry	4-year college/ university	Other educational institution	Government
Health occupations	40,500	35,500	13,500	11,000	15,000
U.S. citizen	40,000	35,000	13,000	11,000	15,000
Native-born	36,500	33,000	12,000	10,500	14,000
Naturalized	14,000	12,500	5,000	2,500	5,500
Non-U.S. citizen	6,500	6,000	2,500	S	2,000
Permanent resident	6,500	6,000	2,000	S	2,000
Temporary resident	2,500	2,000	1,500	D	D
S&E managers, including health	17,000	15,500	3,000	2,000	6,500
U.S. citizen	17,000	15,000	3,000	2,000	6,500
Native-born	16,500	14,500	2,500	1,500	6,500
Naturalized	4,500	4,000	1,000	D	1,500
Non-U.S. citizen	2,500	2,500	500	D	D
Permanent resident	2,500	2,500	500	D	D
Temporary resident	1,000	1,000	D	D	D
S&E precollege teachers	20,000	S	500	19,500	S
U.S. citizen	19,500	S	500	19,500	S
Native-born	19,000	S	500	19,000	S
Naturalized	4,500	D	D	4,500	D
Non-U.S. citizen	2,500	D	D	2,500	D
Permanent resident	2,500	D	D	2,500	D
Temporary resident	S	D	D	S	D
S&E technicians/technologists	14,500	14,000	3,500	2,000	6,000
U.S. citizen	14,000	13,500	3,500	2,000	6,000
Native-born	13,000	12,500	3,000	2,000	6,000
Naturalized	5,500	5,000	1,500	D	2,000
Non-U.S. citizen	3,000	2,500	1,000	D	S
Permanent resident	2,500	2,500	500	D	S
Temporary resident	1,500	1,500	1,000	D	D
Other S&E-related occupations	10,000	9,500	1,500	D	3,500
U.S. citizen	10,000	9,500	S	D	3,500
Native-born	9,500	9,000	D	D	3,000
Naturalized	4,000	3,500	D	D	1,500
Non-U.S. citizen	2,000	2,000	D	D	D
Permanent resident	2,000	2,000	D	D	D
Temporary resident	1,500	1,500	D	D	D
Non-S&E occupations	81,000	69,000	15,500	29,000	29,000
U.S. citizen	79,000	67,000	15,000	28,500	29,000
Native-born	78,000	64,500	14,500	28,000	28,500
Naturalized	18,000	16,000	4,500	7,500	7,500
Non-U.S. citizen	11,000	10,500	2,500	4,000	3,500
Permanent resident	10,500	10,000	2,500	4,000	3,500
Temporary resident	3,500	3,500	1,500	500	D
Arts/humanities/related occupations	14,500	13,000	4,000	3,000	4,000
U.S. citizen	14,500	13,000	4,000	3,000	4,000
Native-born	14,000	12,500	4,000	3,000	4,000
Naturalized	3,500	3,500	S	D	1,500
Non-U.S. citizen	2,500	2,500	*	D	D
Permanent resident	2,500	2,500	D	D	D
Temporary resident	1,000	S	D	D	D

TABLE A-9. Standard errors for employed U.S. scientists and engineers, by highest degree, occupation, citizenship status, and employment sector: 2008

Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment: Business/ industry	4-year college/ university	Other educational institution	Government
Management-related occupations	31,000	27,500	6,000	4,000	12,000
U.S. citizen	30,500	26,500	6,000	4,000	12,000
Native-born	28,500	26,000	5,500	4,000	12,000
Naturalized	8,500	7,500	2,500	S	3,000
Non-U.S. citizen	5,500	5,500	500	D	1,000
Permanent resident	5,000	5,000	S	D	S
Temporary resident	1,500	1,500	D	D	D
Non-S&E managers	28,500	25,000	5,500	8,500	10,000
U.S. citizen	28,000	24,500	5,500	8,500	10,000
Native-born	27,500	24,000	5,500	8,000	9,500
Naturalized	7,000	6,500	2,000	1,500	2,500
Non-U.S. citizen	4,500	4,500	1,000	D	D
Permanent resident	4,000	4,000	500	D	D
Temporary resident	1,500	1,500	D	D	D
Non-S&E postsecondary teachers	8,500	3,000	7,000	4,000	1,000
U.S. citizen	8,000	2,500	7,000	4,000	1,000
Native-born	8,000	2,500	7,000	4,000	1,000
Naturalized	2,000	D	1,500	1,000	D
Non-U.S. citizen	1,500	D	1,500	D	D
Permanent resident	1,500	D	1,500	D	D
Temporary resident	1,000	D	1,000	D	D
Non-S&E precollege/other teachers	24,500	4,500	1,000	24,000	2,500
U.S. citizen	24,000	4,500	1,000	23,500	2,500
Native-born	23,500	4,500	1,000	23,000	2,500
Naturalized	6,500	1,500	D	6,500	D
Non-U.S. citizen	4,000	D	D	4,000	D
Permanent resident	4,000	D	D	4,000	D
Temporary resident	*	D	D	*	D
Sales/marketing occupations	33,000	33,000	2,500	2,500	2,000
U.S. citizen	32,500	32,500	2,500	2,500	2,000
Native-born	31,000	31,000	2,500	2,500	1,500
Naturalized	9,000	8,500	D	D	D
Non-U.S. citizen	4,500	4,500	D	D	D
Permanent resident	4,500	4,500	D	D	D
Temporary resident	1,500	1,500	D	D	D
Social services/related occupations	19,500	16,000	4,500	7,500	11,000
U.S. citizen	19,500	16,000	4,500	7,500	11,000
Native-born	18,000	15,500	4,000	7,000	10,500
Naturalized	5,000	4,000	2,000	2,000	3,000
Non-U.S. citizen	2,500	2,500	500	D	S
Permanent resident	2,500	2,500	D	D	S
Temporary resident	500	D	D	D	D
Other non-S&E occupations	46,000	39,500	8,500	9,000	22,500
U.S. citizen	45,500	39,000	8,000	9,000	22,500
Native-born	43,500	37,000	7,500	8,500	21,500
Naturalized	13,500	12,000	2,000	2,500	6,000
Non-U.S. citizen	6,500	6,000	2,000	S	2,500
Permanent resident	6,000	5,500	2,000	S	2,500
Temporary resident	2,500	2,500	1,000	D	D

TABLE A-9. Standard errors for employed U.S. scientists and engineers, by highest degree, occupation, citizenship status, and employment sector: 2008

Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment: Business/ industry	4-year college/ university	Other educational institution	Government
Bachelor's degrees, all occupations	66,500	62,000	16,500	25,500	31,000
U.S. citizen	66,500	62,000	16,000	25,500	30,500
Native-born	62,000	57,000	14,000	25,000	29,500
Naturalized	22,000	18,500	6,000	7,000	9,000
Non-U.S. citizen	12,000	10,500	3,000	4,500	3,500
Permanent resident	11,000	10,000	2,500	4,000	3,000
Temporary resident	4,500	4,000	2,000	D	*
S&E occupations	33,000	28,500	9,000	4,500	14,000
U.S. citizen	32,500	28,000	9,000	4,500	14,000
Native-born	30,000	25,000	8,500	4,500	13,000
Naturalized	10,000	10,000	2,500	1,500	4,000
Non-U.S. citizen	6,000	5,500	2,500	D	1,000
Permanent resident	5,500	5,000	2,000	D	1,000
Temporary resident	3,000	2,500	1,500	D	*
Science occupations	26,000	22,000	8,500	5,000	12,000
U.S. citizen	26,000	22,000	8,500	4,500	11,500
Native-born	24,000	20,000	8,000	4,500	11,000
Naturalized	9,000	8,500	2,500	1,500	3,000
Non-U.S. citizen	5,000	4,500	2,500	D	1,000
Permanent resident	4,500	4,500	2,000	D	1,000
Temporary resident	2,500	2,000	1,500	D	D
Biological/agricultural/other life scientists	10,000	7,000	5,000	S	6,000
U.S. citizen	10,000	7,000	5,000	S	6,000
Native-born	9,500	6,500	4,500	S	5,500
Naturalized	3,000	2,000	2,000	D	1,500
Non-U.S. citizen	2,000	1,500	1,500	D	D
Permanent resident	2,000	1,500	1,500	D	D
Temporary resident	1,000	D	1,000	D	D
Agricultural/food scientists	5,000	4,000	1,500	D	3,000
U.S. citizen	5,000	4,000	1,500	D	3,000
Native-born	5,000	4,000	1,500	D	3,000
Naturalized	D	D	D	D	D
Non-U.S. citizen	D	D	D	D	D
Permanent resident	D	D	D	D	D
Temporary resident	D	D	D	D	D
Biological/medical scientists	8,000	5,000	4,500	D	4,500
U.S. citizen	7,500	5,000	4,000	D	4,500
Native-born	7,000	4,500	4,000	D	4,000
Naturalized	3,000	2,000	2,000	D	1,000
Non-U.S. citizen	1,500	1,000	1,500	D	D
Permanent resident	1,500	1,000	1,000	D	D
Temporary resident	1,000	D	1,000	D	D
Environmental life scientists	3,500	2,000	D	D	2,500
U.S. citizen	3,000	1,500	D	D	2,500
Native-born	3,000	1,500	D	D	2,500
Naturalized	D	D	D	D	D
Non-U.S. citizen	D	D	D	D	D
Permanent resident	D	D	D	D	D
Temporary resident	D	D	D	D	D

TABLE A-9. Standard errors for employed U.S. scientists and engineers, by highest degree, occupation, citizenship status, and employment sector: 2008

Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment: Business/ industry	4-year college/ university	Other educational institution	Government
Postsecondary teachers-life/related sciences	3,000	D	2,500	S	D
U.S. citizen	3,000	D	2,500	S	D
Native-born	3,000	D	2,500	S	D
Naturalized	D	D	D	D	D
Non-U.S. citizen	D	D	D	D	D
Permanent resident	D	D	D	D	D
Temporary resident	D	D	D	D	D
Computer/mathematical scientists	21,500	19,000	5,500	3,500	8,500
U.S. citizen	22,000	19,000	5,500	3,500	8,500
Native-born	19,500	17,000	5,500	3,500	7,500
Naturalized	8,500	7,500	1,500	1,500	3,000
Non-U.S. citizen	4,500	4,500	1,500	D	1,000
Permanent resident	4,500	4,500	S	D	1,000
Temporary resident	2,000	2,000	1,000	D	D
Computer/information scientists	21,000	18,500	5,500	3,500	7,500
U.S. citizen	21,500	19,000	5,500	3,500	7,000
Native-born	19,500	17,000	5,000	3,500	6,500
Naturalized	8,000	7,500	1,500	1,500	3,000
Non-U.S. citizen	4,500	4,500	1,000	D	1,000
Permanent resident	4,500	4,500	D	D	1,000
Temporary resident	2,000	2,000	D	D	D
Mathematical scientists	5,000	4,000	1,000	D	3,500
U.S. citizen	5,000	4,000	1,000	D	3,500
Native-born	5,000	4,000	1,000	D	3,500
Naturalized	1,500	1,500	D	D	D
Non-U.S. citizen	D	D	D	D	D
Permanent resident	D	D	D	D	D
Temporary resident	D	D	D	D	D
Postsecondary teachers-computer/mathematical sciences	2,500	D	2,000	1,500	D
U.S. citizen	2,500	D	2,000	1,500	D
Native-born	2,500	D	2,000	1,500	D
Naturalized	1,000	D	1,000	D	D
Non-U.S. citizen	1,000	D	1,000	D	D
Permanent resident	D	D	D	D	D
Temporary resident	1,000	D	1,000	D	D
Physical/related scientists	7,500	6,000	2,000	D	4,000
U.S. citizen	7,500	6,000	2,000	D	4,000
Native-born	7,000	5,500	2,000	D	4,000
Naturalized	3,000	2,500	1,000	D	500
Non-U.S. citizen	1,000	1,000	500	D	D
Permanent resident	1,000	1,000	*	D	D
Temporary resident	500	D	500	D	D
Chemists, except biochemists	5,500	5,000	1,000	D	2,000
U.S. citizen	5,500	5,000	1,000	D	2,000
Native-born	4,500	4,500	1,000	D	2,000
Naturalized	2,500	2,500	D	D	500
Non-U.S. citizen	1,000	1,000	500	D	D
Permanent resident	1,000	S	D	D	D
Temporary resident	500	D	500	D	D

TABLE A-9. Standard errors for employed U.S. scientists and engineers, by highest degree, occupation, citizenship status, and employment sector: 2008

Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment: Business/ industry	4-year college/ university	Other educational institution	Government
Earth/atmospheric/ocean scientists	3,500	2,500	1,000	D	2,500
U.S. citizen	3,500	2,500	1,000	D	2,500
Native-born	3,500	2,500	1,000	D	2,500
Naturalized	1,000	500	D	D	D
Non-U.S. citizen	*	*	D	D	D
Permanent resident	*	*	D	D	D
Temporary resident	D	D	D	D	D
Physicists/astronomers	1,000	500	500	D	500
U.S. citizen	1,000	500	500	D	500
Native-born	1,000	500	500	D	500
Naturalized	D	D	D	D	D
Non-U.S. citizen	500	D	*	D	D
Permanent resident	D	D	D	D	D
Temporary resident	*	D	*	D	D
Postsecondary teachers-physical/related sciences	1,500	D	1,500	D	D
U.S. citizen	1,500	D	1,500	D	D
Native-born	1,500	D	1,500	D	D
Naturalized	*	D	*	D	D
Non-U.S. citizen	*	D	*	D	D
Permanent resident	D	D	D	D	D
Temporary resident	*	D	*	D	D
Other physical/related scientists	3,500	2,500	D	D	2,500
U.S. citizen	3,500	2,500	D	D	2,500
Native-born	3,500	2,500	D	D	2,500
Naturalized	D	D	D	D	D
Non-U.S. citizen	D	D	D	D	D
Permanent resident	D	D	D	D	D
Temporary resident	D	D	D	D	D
Social/related scientists	7,500	6,000	4,000	2,500	3,500
U.S. citizen	7,500	6,000	3,500	2,500	3,500
Native-born	7,500	6,000	3,500	2,500	3,500
Naturalized	2,000	1,500	1,000	D	1,000
Non-U.S. citizen	1,000	D	1,000	D	D
Permanent resident	1,000	D	D	D	D
Temporary resident	1,000	D	1,000	D	D
Economists	1,500	1,000	S	D	1,000
U.S. citizen	1,500	1,000	S	D	1,000
Native-born	1,500	1,000	D	D	1,000
Naturalized	D	D	D	D	D
Non-U.S. citizen	D	D	D	D	D
Permanent resident	D	D	D	D	D
Temporary resident	D	D	D	D	D
Political/related scientists	2,000	S	1,000	D	S
U.S. citizen	2,000	S	1,000	D	S
Native-born	1,500	D	1,000	D	S
Naturalized	D	D	D	D	D
Non-U.S. citizen	D	D	D	D	D
Permanent resident	D	D	D	D	D
Temporary resident	D	D	D	D	D

TABLE A-9. Standard errors for employed U.S. scientists and engineers, by highest degree, occupation, citizenship status, and employment sector: 2008

Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment: Business/ industry	4-year college/ university	Other educational institution	Government
Postsecondary teachers-social/related sciences	3,000	D	2,500	2,000	D
U.S. citizen	3,000	D	2,000	2,000	D
Native-born	3,000	D	2,000	2,000	D
Naturalized	D	D	D	D	D
Non-U.S. citizen	1,000	D	1,000	D	D
Permanent resident	D	D	D	D	D
Temporary resident	D	D	D	D	D
Psychologists	3,000	2,000	2,000	2,000	D
U.S. citizen	3,000	2,000	2,000	2,000	D
Native-born	3,000	2,000	1,500	1,500	D
Naturalized	1,000	D	1,000	D	D
Non-U.S. citizen	D	D	D	D	D
Permanent resident	D	D	D	D	D
Temporary resident	D	D	D	D	D
Sociologists/anthropologists	2,000	1,500	1,000	D	D
U.S. citizen	2,000	1,500	1,000	D	D
Native-born	1,500	1,500	1,000	D	D
Naturalized	D	D	D	D	D
Non-U.S. citizen	D	D	D	D	D
Permanent resident	D	D	D	D	D
Temporary resident	D	D	D	D	D
Other social/related scientists	6,000	5,000	2,500	D	3,000
U.S. citizen	6,000	5,000	2,500	D	3,000
Native-born	6,000	5,000	2,500	D	3,000
Naturalized	1,500	1,500	D	D	D
Non-U.S. citizen	1,000	D	D	D	D
Permanent resident	1,000	D	D	D	D
Temporary resident	D	D	D	D	D
Engineering occupations	17,500	16,500	2,500	1,000	6,500
U.S. citizen	17,500	16,000	2,500	1,000	6,500
Native-born	16,500	15,000	2,500	1,000	6,000
Naturalized	5,500	5,000	1,000	D	2,500
Non-U.S. citizen	3,000	3,000	1,000	D	1,000
Permanent resident	3,000	3,000	S	D	1,000
Temporary resident	2,000	2,000	500	D	D
Aerospace/aeronautical/astronautical engineers	4,000	4,000	500	D	1,500
U.S. citizen	4,000	4,000	500	D	1,500
Native-born	4,000	3,500	500	D	1,500
Naturalized	1,500	1,500	D	D	*
Non-U.S. citizen	500	500	D	D	D
Permanent resident	500	500	D	D	D
Temporary resident	D	D	D	D	D
Chemical engineers	4,000	3,500	S	D	1,000
U.S. citizen	4,000	3,500	S	D	1,000
Native-born	4,000	3,000	S	D	1,000
Naturalized	1,000	1,000	D	D	D
Non-U.S. citizen	500	500	D	D	D
Permanent resident	500	S	D	D	D
Temporary resident	*	D	D	D	D

TABLE A-9. Standard errors for employed U.S. scientists and engineers, by highest degree, occupation, citizenship status, and employment sector: 2008

Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment: Business/ industry	4-year college/ university	Other educational institution	Government
Civil/architectural/sanitary engineers	6,500	5,500	500	D	4,500
U.S. citizen	6,500	5,500	500	D	4,500
Native-born	6,500	5,000	500	D	4,000
Naturalized	2,500	2,000	D	D	2,000
Non-U.S. citizen	1,000	500	D	D	500
Permanent resident	1,000	500	D	D	D
Temporary resident	500	500	D	D	D
Electrical/computer hardware engineers	7,000	6,500	1,000	D	2,500
U.S. citizen	7,000	6,500	1,000	D	2,500
Native-born	6,500	6,000	1,000	D	2,500
Naturalized	3,500	3,500	D	D	1,500
Non-U.S. citizen	2,000	2,000	D	D	D
Permanent resident	2,000	2,000	D	D	D
Temporary resident	1,000	1,000	D	D	D
Industrial engineers	5,000	5,000	D	D	1,500
U.S. citizen	4,500	4,500	D	D	1,500
Native-born	4,500	4,000	D	D	1,500
Naturalized	2,500	2,500	D	D	D
Non-U.S. citizen	1,500	1,500	D	D	D
Permanent resident	1,000	1,000	D	D	D
Temporary resident	S	S	D	D	D
Mechanical engineers	7,000	7,000	1,000	D	2,000
U.S. citizen	7,000	7,000	1,000	D	2,000
Native-born	7,000	6,500	1,000	D	2,000
Naturalized	2,000	2,000	D	D	500
Non-U.S. citizen	1,500	1,000	*	D	D
Permanent resident	1,000	1,000	D	D	D
Temporary resident	1,000	1,000	D	D	D
Postsecondary teachers-engineering	1,500	D	1,500	500	D
U.S. citizen	1,500	D	1,500	500	D
Native-born	1,500	D	1,000	500	D
Naturalized	S	D	D	D	D
Non-U.S. citizen	*	D	*	D	D
Permanent resident	D	D	D	D	D
Temporary resident	D	D	D	D	D
Other engineers	9,500	9,000	1,500	D	3,500
U.S. citizen	9,500	8,500	1,500	D	3,500
Native-born	9,000	8,500	1,500	D	3,500
Naturalized	2,000	2,000	*	D	1,000
Non-U.S. citizen	1,500	1,500	D	D	D
Permanent resident	1,500	1,500	D	D	D
Temporary resident	S	S	D	D	D
S&E-related occupations	36,000	33,000	10,000	14,500	14,500
U.S. citizen	35,500	32,000	10,000	14,500	14,500
Native-born	33,000	30,000	9,000	14,000	13,500
Naturalized	13,000	11,500	4,000	4,000	5,000
Non-U.S. citizen	6,000	5,500	2,000	2,500	S
Permanent resident	6,000	5,000	1,500	2,500	S
Temporary resident	2,500	2,000	S	D	D

TABLE A-9. Standard errors for employed U.S. scientists and engineers, by highest degree, occupation, citizenship status, and employment sector: 2008

Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment: Business/ industry	4-year college/ university	Other educational institution	Government
Health occupations	31,000	28,500	9,500	7,500	13,500
U.S. citizen	30,500	28,000	9,500	7,500	13,000
Native-born	28,000	26,500	8,500	7,500	12,500
Naturalized	11,500	10,500	4,000	D	4,500
Non-U.S. citizen	5,000	4,500	1,500	D	D
Permanent resident	5,000	4,500	S	D	D
Temporary resident	1,500	S	D	D	D
S&E managers, including health	12,000	11,500	2,000	S	4,000
U.S. citizen	12,000	11,000	2,000	S	4,000
Native-born	12,000	11,000	2,000	S	4,000
Naturalized	3,500	3,000	D	D	1,500
Non-U.S. citizen	2,000	2,000	D	D	D
Permanent resident	2,000	2,000	D	D	D
Temporary resident	D	D	D	D	D
S&E precollege teachers	12,500	D	D	12,000	D
U.S. citizen	12,000	D	D	12,000	D
Native-born	12,000	D	D	11,500	D
Naturalized	3,500	D	D	3,500	D
Non-U.S. citizen	2,000	D	D	2,000	D
Permanent resident	2,000	D	D	2,000	D
Temporary resident	D	D	D	D	D
S&E technicians/technologists	13,500	13,000	3,000	2,000	5,500
U.S. citizen	13,500	12,500	3,000	2,000	5,500
Native-born	12,500	12,000	3,000	2,000	5,500
Naturalized	4,500	4,000	1,500	D	1,500
Non-U.S. citizen	2,500	2,500	S	D	D
Permanent resident	2,000	2,000	D	D	D
Temporary resident	1,000	1,000	D	D	D
Other S&E-related occupations	8,500	8,000	1,500	D	2,500
U.S. citizen	8,500	8,000	D	D	2,500
Native-born	8,000	7,500	D	D	2,500
Naturalized	3,500	3,000	D	D	D
Non-U.S. citizen	2,000	2,000	D	D	D
Permanent resident	1,500	1,500	D	D	D
Temporary resident	D	D	D	D	D
Non-S&E occupations	65,000	57,000	10,000	19,500	23,000
U.S. citizen	64,000	56,000	9,500	19,000	22,500
Native-born	60,500	53,000	9,000	19,000	22,000
Naturalized	15,500	13,000	3,500	6,000	6,500
Non-U.S. citizen	8,500	8,000	2,000	3,000	2,500
Permanent resident	8,500	8,000	1,500	3,000	2,500
Temporary resident	3,000	2,500	S	D	D
Arts/humanities/related occupations	12,000	11,000	3,000	2,000	3,500
U.S. citizen	12,000	11,000	3,000	2,000	3,500
Native-born	11,500	11,000	3,000	2,000	3,000
Naturalized	3,000	3,000	D	D	D
Non-U.S. citizen	2,000	S	D	D	D
Permanent resident	2,000	D	D	D	D
Temporary resident	D	D	D	D	D

TABLE A-9. Standard errors for employed U.S. scientists and engineers, by highest degree, occupation, citizenship status, and employment sector: 2008

Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment: Business/ industry	4-year college/ university	Other educational institution	Government
Management-related occupations	26,000	22,500	5,000	2,500	9,500
U.S. citizen	25,500	22,000	5,000	2,500	9,500
Native-born	23,500	20,500	4,500	2,500	9,000
Naturalized	7,000	6,000	2,000	D	2,500
Non-U.S. citizen	4,000	4,000	D	D	D
Permanent resident	4,000	4,000	D	D	D
Temporary resident	1,000	1,000	D	D	D
Non-S&E managers	21,000	20,000	3,500	3,500	7,500
U.S. citizen	20,500	19,500	3,500	3,500	7,500
Native-born	20,500	19,500	3,000	3,000	7,500
Naturalized	4,500	4,500	1,500	D	1,500
Non-U.S. citizen	3,500	3,500	D	D	D
Permanent resident	3,000	3,500	D	D	D
Temporary resident	D	D	D	D	D
Non-S&E postsecondary teachers	3,500	1,000	3,500	1,500	D
U.S. citizen	3,500	1,000	3,500	1,500	D
Native-born	3,500	1,000	3,500	1,500	D
Naturalized	D	D	D	D	D
Non-U.S. citizen	S	D	S	D	D
Permanent resident	D	D	D	D	D
Temporary resident	D	D	D	D	D
Non-S&E precollege/other teachers	18,000	3,500	1,000	18,000	2,500
U.S. citizen	18,000	3,500	1,000	17,500	2,500
Native-born	17,000	3,500	1,000	17,000	2,500
Naturalized	5,000	D	D	5,500	D
Non-U.S. citizen	3,000	D	D	3,000	D
Permanent resident	3,000	D	D	3,000	D
Temporary resident	D	D	D	D	D
Sales/marketing occupations	28,000	28,000	1,000	2,500	1,500
U.S. citizen	28,000	28,000	1,000	2,500	1,500
Native-born	27,000	27,500	1,000	2,500	1,500
Naturalized	7,500	7,500	D	D	D
Non-U.S. citizen	3,500	3,500	D	D	D
Permanent resident	3,500	3,500	D	D	D
Temporary resident	S	S	D	D	D
Social services/related occupations	12,500	9,000	2,500	3,000	8,000
U.S. citizen	12,500	9,000	2,500	3,000	8,000
Native-born	11,500	8,500	2,000	3,000	8,000
Naturalized	4,500	3,000	D	D	2,500
Non-U.S. citizen	1,500	1,000	D	D	D
Permanent resident	1,500	1,000	D	D	D
Temporary resident	D	D	D	D	D
Other non-S&E occupations	37,000	32,000	6,000	6,500	18,500
U.S. citizen	36,500	31,000	6,000	6,500	18,500
Native-born	34,500	29,000	6,000	6,000	17,500
Naturalized	11,500	9,500	1,500	2,500	5,000
Non-U.S. citizen	6,000	5,000	1,500	D	2,500
Permanent resident	5,500	4,500	1,500	D	2,500
Temporary resident	2,000	2,000	S	D	D

TABLE A-9. Standard errors for employed U.S. scientists and engineers, by highest degree, occupation, citizenship status, and employment sector: 2008

Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment: Business/ industry	4-year college/ university	Other educational institution	Government
Master's degrees, all occupations	50,000	39,500	13,500	25,000	18,500
U.S. citizen	50,000	39,000	13,000	25,500	18,500
Native-born	48,000	37,000	12,500	24,500	18,000
Naturalized	15,000	12,500	3,500	5,500	5,500
Non-U.S. citizen	9,500	8,500	3,500	3,000	2,000
Permanent resident	9,500	8,000	2,500	3,000	2,000
Temporary resident	4,500	4,000	2,500	1,000	500
S&E occupations	23,000	19,000	6,500	6,000	8,500
U.S. citizen	22,500	18,500	6,000	6,000	8,500
Native-born	20,000	16,000	6,000	5,500	8,000
Naturalized	7,500	7,000	2,000	1,500	2,500
Non-U.S. citizen	6,500	5,500	3,000	1,000	1,500
Permanent resident	5,500	5,000	2,500	500	1,500
Temporary resident	4,000	3,500	2,000	S	500
Science occupations	19,000	15,000	6,500	6,000	7,500
U.S. citizen	18,500	14,500	6,000	6,000	7,500
Native-born	17,000	13,000	5,500	5,500	7,000
Naturalized	6,500	6,000	2,000	1,500	2,000
Non-U.S. citizen	6,000	5,000	3,000	1,000	1,500
Permanent resident	5,000	4,500	2,500	500	1,000
Temporary resident	3,500	3,000	2,000	S	500
Biological/agricultural/other life scientists	6,000	4,500	4,000	1,500	3,500
U.S. citizen	6,000	4,000	3,500	1,500	3,500
Native-born	5,500	3,500	3,500	1,500	3,500
Naturalized	2,500	2,000	1,000	D	1,000
Non-U.S. citizen	2,500	1,000	2,000	D	D
Permanent resident	2,000	1,000	2,000	D	D
Temporary resident	1,000	500	1,000	D	D
Agricultural/food scientists	2,500	2,000	2,000	D	1,000
U.S. citizen	2,500	2,000	2,000	D	1,000
Native-born	2,500	1,500	2,000	D	1,000
Naturalized	S	D	D	D	D
Non-U.S. citizen	1,000	*	S	D	D
Permanent resident	D	D	D	D	D
Temporary resident	500	D	*	D	D
Biological/medical scientists	4,500	3,500	3,000	D	2,500
U.S. citizen	5,000	3,500	2,500	D	2,500
Native-born	4,500	3,000	2,500	D	2,500
Naturalized	2,000	2,000	1,000	D	1,000
Non-U.S. citizen	2,500	1,000	2,000	D	D
Permanent resident	2,000	1,000	2,000	D	D
Temporary resident	1,000	500	500	D	D
Environmental life scientists	2,500	1,000	1,000	D	2,000
U.S. citizen	2,500	1,000	D	D	2,000
Native-born	2,500	1,000	D	D	2,000
Naturalized	D	D	D	D	D
Non-U.S. citizen	D	D	D	D	D
Permanent resident	D	D	D	D	D
Temporary resident	D	D	D	D	D

TABLE A-9. Standard errors for employed U.S. scientists and engineers, by highest degree, occupation, citizenship status, and employment sector: 2008

Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment: Business/ industry	4-year college/ university	Other educational institution	Government
Postsecondary teachers-life/related sciences	2,500	D	2,000	1,500	D
U.S. citizen	2,500	D	2,000	1,500	D
Native-born	2,500	D	2,000	1,500	D
Naturalized	500	D	500	D	D
Non-U.S. citizen	*	D	*	D	D
Permanent resident	D	D	D	D	D
Temporary resident	*	D	*	D	D
Computer/mathematical scientists	14,500	12,500	4,000	3,500	5,000
U.S. citizen	13,500	11,500	3,500	3,500	4,500
Native-born	12,000	10,000	3,500	3,000	4,500
Naturalized	5,500	5,500	1,500	1,000	1,500
Non-U.S. citizen	5,000	5,000	1,500	500	1,000
Permanent resident	4,000	4,000	1,000	500	1,000
Temporary resident	3,500	3,000	1,500	D	500
Computer/information scientists	13,500	12,500	3,000	2,000	4,000
U.S. citizen	12,500	11,500	3,000	2,000	4,000
Native-born	11,500	10,000	2,500	2,000	3,500
Naturalized	5,000	5,000	1,500	500	1,500
Non-U.S. citizen	5,000	4,500	1,000	D	1,000
Permanent resident	4,000	4,000	500	D	1,000
Temporary resident	3,000	3,000	1,000	D	500
Mathematical scientists	4,500	3,500	2,000	D	2,500
U.S. citizen	4,500	3,000	2,000	D	2,500
Native-born	4,000	2,500	2,000	D	2,500
Naturalized	1,500	1,500	500	D	500
Non-U.S. citizen	1,000	1,000	500	D	D
Permanent resident	1,000	1,000	D	D	D
Temporary resident	1,000	1,000	500	D	D
Postsecondary teachers-computer/mathematical sciences	3,500	D	2,500	2,500	D
U.S. citizen	3,500	D	2,000	2,500	D
Native-born	3,500	D	2,000	2,500	D
Naturalized	1,000	D	1,000	1,000	D
Non-U.S. citizen	1,000	D	1,000	*	D
Permanent resident	500	D	500	*	D
Temporary resident	500	D	500	D	D
Physical/related scientists	4,000	3,500	1,500	1,500	2,000
U.S. citizen	4,000	3,500	1,500	1,500	2,000
Native-born	4,000	3,500	1,500	1,500	2,000
Naturalized	1,500	1,000	500	D	500
Non-U.S. citizen	1,500	1,500	1,000	D	*
Permanent resident	1,500	1,500	500	D	D
Temporary resident	1,000	500	1,000	D	D
Chemists, except biochemists	2,500	2,500	500	D	1,000
U.S. citizen	2,500	2,000	500	D	1,000
Native-born	2,000	2,000	500	D	1,000
Naturalized	1,000	1,000	D	D	500
Non-U.S. citizen	1,500	1,500	500	D	D
Permanent resident	1,500	1,500	*	D	D
Temporary resident	500	*	500	D	D

TABLE A-9. Standard errors for employed U.S. scientists and engineers, by highest degree, occupation, citizenship status, and employment sector: 2008

Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment: Business/ industry	4-year college/ university	Other educational institution	Government
Earth/atmospheric/ocean scientists	2,500	2,000	1,000	D	1,500
U.S. citizen	2,500	2,000	500	D	1,500
Native-born	2,500	2,000	500	D	1,500
Naturalized	500	500	D	D	*
Non-U.S. citizen	500	500	500	D	D
Permanent resident	500	D	D	D	D
Temporary resident	500	S	*	D	D
Physicists/astronomers	1,000	1,000	500	D	500
U.S. citizen	1,000	1,000	500	D	500
Native-born	1,000	1,000	500	D	500
Naturalized	D	D	D	D	D
Non-U.S. citizen	500	D	500	D	D
Permanent resident	*	D	*	D	D
Temporary resident	500	D	500	D	D
Postsecondary teachers-physical/related sciences	2,000	D	1,500	1,500	D
U.S. citizen	2,000	D	1,500	1,500	D
Native-born	2,000	D	1,500	1,500	D
Naturalized	S	D	*	D	D
Non-U.S. citizen	500	D	500	D	D
Permanent resident	*	D	*	D	D
Temporary resident	500	D	500	D	D
Other physical/related scientists	2,000	1,500	500	D	1,000
U.S. citizen	2,000	1,500	500	D	1,000
Native-born	2,000	1,500	500	D	1,000
Naturalized	D	D	D	D	D
Non-U.S. citizen	D	D	D	D	D
Permanent resident	D	D	D	D	D
Temporary resident	D	D	D	D	D
Social/related scientists	9,500	6,500	3,500	4,500	4,500
U.S. citizen	9,000	6,500	3,000	4,500	4,500
Native-born	9,000	6,500	3,000	4,500	4,500
Naturalized	1,500	1,500	1,000	1,000	500
Non-U.S. citizen	1,500	1,500	1,500	D	S
Permanent resident	1,000	1,000	S	D	D
Temporary resident	1,500	1,000	1,000	D	D
Economists	2,500	1,500	1,000	D	1,500
U.S. citizen	2,500	1,500	S	D	1,500
Native-born	2,500	1,500	S	D	1,500
Naturalized	500	500	D	D	D
Non-U.S. citizen	500	500	500	D	D
Permanent resident	*	*	D	D	D
Temporary resident	500	S	500	D	D
Political/related scientists	2,500	2,000	1,000	D	1,500
U.S. citizen	2,500	1,500	S	D	1,500
Native-born	2,500	1,500	S	D	1,500
Naturalized	D	D	D	D	D
Non-U.S. citizen	500	D	D	D	D
Permanent resident	D	D	D	D	D
Temporary resident	S	D	D	D	D

TABLE A-9. Standard errors for employed U.S. scientists and engineers, by highest degree, occupation, citizenship status, and employment sector: 2008

Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment: Business/ industry	4-year college/ university	Other educational institution	Government
Postsecondary teachers-social/related sciences	3,500	D	2,500	2,500	D
U.S. citizen	3,000	D	2,500	2,500	D
Native-born	3,000	D	2,500	2,500	D
Naturalized	500	D	500	D	D
Non-U.S. citizen	1,000	D	1,000	D	D
Permanent resident	D	D	D	D	D
Temporary resident	1,000	D	1,000	D	D
Psychologists	6,000	4,000	1,500	3,500	2,500
U.S. citizen	6,000	4,000	1,500	3,500	2,500
Native-born	6,000	4,000	1,500	3,500	2,500
Naturalized	1,000	1,000	S	1,000	D
Non-U.S. citizen	1,000	S	500	D	D
Permanent resident	1,000	D	D	D	D
Temporary resident	1,000	D	D	D	D
Sociologists/anthropologists	2,000	1,500	1,000	D	500
U.S. citizen	2,000	1,500	1,000	D	500
Native-born	2,000	1,500	1,000	D	500
Naturalized	D	D	D	D	D
Non-U.S. citizen	*	D	D	D	D
Permanent resident	D	D	D	D	D
Temporary resident	*	D	D	D	D
Other social/related scientists	5,500	4,500	1,000	D	3,000
U.S. citizen	5,500	4,500	500	D	3,000
Native-born	5,500	4,500	500	D	3,000
Naturalized	1,500	1,000	D	D	D
Non-U.S. citizen	1,000	1,000	500	D	D
Permanent resident	1,000	1,000	D	D	D
Temporary resident	500	500	500	D	D
Engineering occupations	10,000	9,500	2,000	500	4,000
U.S. citizen	10,000	9,500	2,000	500	4,000
Native-born	9,500	9,000	1,500	500	3,500
Naturalized	4,500	4,000	500	D	2,000
Non-U.S. citizen	3,000	3,000	1,000	D	500
Permanent resident	2,500	2,500	500	D	500
Temporary resident	2,500	2,000	1,000	D	500
Aerospace/aeronautical/astronautical engineers	3,000	3,000	500	D	1,500
U.S. citizen	3,000	3,000	500	D	1,500
Native-born	3,000	2,500	500	D	1,500
Naturalized	1,000	1,000	D	D	S
Non-U.S. citizen	500	500	*	D	D
Permanent resident	500	500	D	D	D
Temporary resident	500	*	*	D	D
Chemical engineers	2,500	2,500	500	D	*
U.S. citizen	2,500	2,500	500	D	*
Native-born	2,000	2,000	500	D	*
Naturalized	1,000	1,000	D	D	D
Non-U.S. citizen	1,000	1,000	*	D	D
Permanent resident	1,000	1,000	D	D	D
Temporary resident	500	*	*	D	D

TABLE A-9. Standard errors for employed U.S. scientists and engineers, by highest degree, occupation, citizenship status, and employment sector: 2008

Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment: Business/ industry	4-year college/ university	Other educational institution	Government
Civil/architectural/sanitary engineers	4,500	3,500	1,000	D	2,000
U.S. citizen	4,500	3,500	500	D	2,000
Native-born	4,000	3,500	S	D	2,000
Naturalized	2,000	1,500	D	D	1,500
Non-U.S. citizen	1,500	1,500	*	D	500
Permanent resident	1,000	1,000	D	D	*
Temporary resident	1,000	1,000	*	D	D
Electrical/computer hardware engineers	5,500	5,500	1,000	D	1,500
U.S. citizen	5,000	5,000	1,000	D	1,500
Native-born	4,000	3,500	1,000	D	1,500
Naturalized	3,000	3,000	D	D	1,000
Non-U.S. citizen	2,000	2,000	500	D	D
Permanent resident	1,500	1,500	D	D	D
Temporary resident	1,500	1,500	500	D	D
Industrial engineers	3,000	3,000	*	D	500
U.S. citizen	3,000	3,000	*	D	500
Native-born	3,000	3,000	*	D	500
Naturalized	1,000	1,000	D	D	D
Non-U.S. citizen	1,000	1,000	*	D	D
Permanent resident	500	500	D	D	D
Temporary resident	500	500	*	D	D
Mechanical engineers	4,500	4,000	500	D	1,500
U.S. citizen	4,500	4,000	500	D	1,500
Native-born	4,000	4,000	500	D	1,500
Naturalized	2,000	2,000	D	D	500
Non-U.S. citizen	1,500	1,500	500	D	D
Permanent resident	1,000	1,000	D	D	D
Temporary resident	1,000	1,000	500	D	D
Postsecondary teachers-engineering	1,500	D	1,500	500	D
U.S. citizen	1,500	D	1,500	500	D
Native-born	1,500	D	1,500	500	D
Naturalized	*	D	D	D	D
Non-U.S. citizen	500	D	500	D	D
Permanent resident	D	D	D	D	D
Temporary resident	500	D	500	D	D
Other engineers	5,500	5,000	1,000	D	2,000
U.S. citizen	5,000	4,500	1,000	D	2,000
Native-born	5,000	4,500	500	D	2,000
Naturalized	1,500	1,500	*	D	1,000
Non-U.S. citizen	1,500	1,500	500	D	*
Permanent resident	1,000	1,000	D	D	D
Temporary resident	1,000	1,000	500	D	D
S&E-related occupations	27,500	18,500	7,000	17,500	8,500
U.S. citizen	27,000	18,000	6,500	17,500	8,500
Native-born	25,000	16,500	6,000	17,000	8,000
Naturalized	7,500	6,000	2,500	3,000	3,000
Non-U.S. citizen	4,000	3,000	1,500	1,500	1,000
Permanent resident	3,500	3,000	1,000	1,500	1,000
Temporary resident	1,500	1,500	1,000	D	D

TABLE A-9. Standard errors for employed U.S. scientists and engineers, by highest degree, occupation, citizenship status, and employment sector: 2008

Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment: Business/ industry	4-year college/ university	Other educational institution	Government
Health occupations	18,000	15,500	6,500	8,000	7,000
U.S. citizen	17,500	15,500	6,500	8,000	7,000
Native-born	17,000	14,500	6,000	7,500	6,500
Naturalized	6,000	5,000	2,000	1,500	2,500
Non-U.S. citizen	2,000	1,500	1,500	D	*
Permanent resident	2,000	1,500	S	D	*
Temporary resident	1,000	1,000	S	D	D
S&E managers, including health	11,500	9,500	2,500	1,000	5,000
U.S. citizen	11,500	9,500	2,500	1,000	5,000
Native-born	10,500	8,500	2,000	S	5,000
Naturalized	3,000	2,500	1,000	D	1,000
Non-U.S. citizen	2,000	2,000	D	D	D
Permanent resident	2,000	2,000	D	D	D
Temporary resident	1,000	1,000	D	D	D
S&E precollege teachers	15,000	D	500	15,000	D
U.S. citizen	15,000	D	500	15,000	D
Native-born	14,500	D	500	14,500	D
Naturalized	2,500	D	D	2,500	D
Non-U.S. citizen	1,500	D	D	1,500	D
Permanent resident	1,500	D	D	1,500	D
Temporary resident	D	D	D	D	D
S&E technicians/technologists	6,000	5,500	1,500	S	2,500
U.S. citizen	5,500	5,000	1,500	S	2,500
Native-born	5,000	4,000	1,500	S	2,500
Naturalized	3,000	2,500	500	D	500
Non-U.S. citizen	1,500	1,500	1,000	D	D
Permanent resident	1,500	1,500	D	D	D
Temporary resident	1,000	1,000	1,000	D	D
Other S&E-related occupations	5,500	5,000	D	D	2,000
U.S. citizen	5,000	5,000	D	D	2,000
Native-born	4,500	4,500	D	D	2,000
Naturalized	2,000	2,000	D	D	D
Non-U.S. citizen	1,500	1,500	D	D	D
Permanent resident	1,500	1,500	D	D	D
Temporary resident	S	S	D	D	D
Non-S&E occupations	43,500	33,500	10,000	21,500	14,500
U.S. citizen	42,500	32,000	10,000	21,500	14,500
Native-born	41,500	30,500	9,500	21,000	13,500
Naturalized	11,000	9,500	2,500	4,500	4,000
Non-U.S. citizen	7,000	6,500	1,500	3,000	2,000
Permanent resident	7,000	6,000	1,500	3,000	2,000
Temporary resident	2,500	2,000	1,000	D	D
Arts/humanities/related occupations	8,000	7,000	3,000	2,000	2,000
U.S. citizen	8,000	7,000	3,000	2,000	2,000
Native-born	7,500	6,500	3,000	2,000	2,000
Naturalized	2,500	2,000	D	D	D
Non-U.S. citizen	2,000	2,000	D	D	D
Permanent resident	2,000	2,000	D	D	D
Temporary resident	S	S	D	D	D

TABLE A-9. Standard errors for employed U.S. scientists and engineers, by highest degree, occupation, citizenship status, and employment sector: 2008

Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment: Business/ industry	4-year college/ university	Other educational institution	Government
Management-related occupations	17,000	15,500	3,500	3,500	7,000
U.S. citizen	16,500	15,000	3,500	3,500	6,500
Native-born	15,500	14,000	3,000	3,500	6,500
Naturalized	5,000	4,500	2,000	D	2,000
Non-U.S. citizen	4,000	4,000	D	D	S
Permanent resident	3,500	3,500	D	D	S
Temporary resident	1,000	1,000	D	D	D
Non-S&E managers	18,500	15,000	3,500	8,000	6,000
U.S. citizen	18,000	14,500	3,500	8,000	6,000
Native-born	17,500	14,000	3,500	8,000	5,500
Naturalized	5,500	4,500	S	1,000	1,500
Non-U.S. citizen	3,000	3,000	D	D	D
Permanent resident	3,000	2,500	D	D	D
Temporary resident	1,500	1,500	D	D	D
Non-S&E postsecondary teachers	6,500	2,500	5,000	4,000	S
U.S. citizen	6,500	2,500	5,000	4,000	S
Native-born	6,000	2,000	5,000	3,500	S
Naturalized	1,500	D	500	1,000	D
Non-U.S. citizen	1,500	D	1,000	D	D
Permanent resident	1,500	D	1,000	D	D
Temporary resident	1,000	D	1,000	D	D
Non-S&E precollege/other teachers	16,500	2,000	D	16,500	1,500
U.S. citizen	16,500	2,000	D	16,500	1,500
Native-born	16,500	2,000	D	16,500	1,500
Naturalized	4,000	D	D	3,500	D
Non-U.S. citizen	2,500	D	D	2,500	D
Permanent resident	2,500	D	D	2,500	D
Temporary resident	D	D	D	D	D
Sales/marketing occupations	15,500	15,500	S	D	1,000
U.S. citizen	15,500	15,000	S	D	1,000
Native-born	14,000	14,000	S	D	S
Naturalized	4,500	4,500	D	D	D
Non-U.S. citizen	3,000	3,000	D	D	D
Permanent resident	2,500	2,500	D	D	D
Temporary resident	S	S	D	D	D
Social services/related occupations	14,500	12,000	4,000	7,000	7,500
U.S. citizen	14,000	12,000	4,000	7,000	7,500
Native-born	14,000	11,500	3,500	7,000	7,000
Naturalized	3,000	2,500	1,000	2,000	2,000
Non-U.S. citizen	2,000	2,000	S	D	D
Permanent resident	2,000	2,000	D	D	D
Temporary resident	500	D	D	D	D
Other non-S&E occupations	17,500	15,000	5,000	5,500	9,000
U.S. citizen	17,500	14,500	5,000	5,500	9,000
Native-born	17,000	13,500	4,500	5,500	8,500
Naturalized	5,500	4,500	1,500	1,000	2,500
Non-U.S. citizen	3,000	2,500	1,000	D	S
Permanent resident	3,000	2,500	S	D	S
Temporary resident	1,000	1,000	500	D	D

TABLE A-9. Standard errors for employed U.S. scientists and engineers, by highest degree, occupation, citizenship status, and employment sector: 2008

Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment: Business/ industry	4-year college/ university	Other educational institution	Government
Doctoral degrees, all occupations	10,000	6,500	6,000	4,500	3,500
U.S. citizen	10,000	6,500	5,500	4,500	3,500
Native-born	9,000	6,000	5,000	4,000	3,000
Naturalized	4,000	3,000	2,500	1,500	1,500
Non-U.S. citizen	3,500	2,500	2,500	500	1,000
Permanent resident	3,500	2,500	2,000	500	1,000
Temporary resident	2,000	1,500	1,500	*	500
S&E occupations	6,000	4,000	4,000	2,000	2,500
U.S. citizen	5,500	3,500	3,500	2,000	2,500
Native-born	4,500	3,000	3,000	1,500	2,000
Naturalized	3,000	2,000	2,000	500	1,500
Non-U.S. citizen	3,000	2,000	2,500	500	1,000
Permanent resident	2,500	2,000	2,000	500	500
Temporary resident	2,000	1,500	1,500	*	500
Science occupations	6,000	3,500	4,000	2,000	2,500
U.S. citizen	5,000	3,000	3,500	2,000	2,500
Native-born	4,000	2,500	3,000	1,500	2,000
Naturalized	3,000	2,000	2,000	500	1,000
Non-U.S. citizen	2,500	2,000	2,000	500	500
Permanent resident	2,500	2,000	2,000	*	500
Temporary resident	1,500	1,000	1,000	*	500
Biological/agricultural/other life scientists	3,500	2,000	2,500	500	2,000
U.S. citizen	3,000	1,500	2,500	500	2,000
Native-born	2,500	1,500	2,000	500	1,500
Naturalized	2,000	1,500	1,500	*	1,000
Non-U.S. citizen	2,000	1,500	1,500	D	500
Permanent resident	1,500	1,000	1,500	D	500
Temporary resident	1,000	500	500	D	*
Agricultural/food scientists	1,000	1,000	500	D	500
U.S. citizen	1,000	500	500	D	500
Native-born	500	500	500	D	500
Naturalized	500	500	*	D	*
Non-U.S. citizen	500	500	500	D	D
Permanent resident	500	*	500	D	D
Temporary resident	*	*	*	D	D
Biological/medical scientists	3,000	2,000	2,000	*	2,000
U.S. citizen	3,000	1,500	2,000	*	2,000
Native-born	2,500	1,000	1,500	*	1,500
Naturalized	1,500	1,000	1,000	D	1,000
Non-U.S. citizen	1,500	1,500	1,000	D	500
Permanent resident	1,500	1,000	1,000	D	500
Temporary resident	1,000	500	500	D	*
Environmental life scientists	500	*	*	D	500
U.S. citizen	500	*	*	D	500
Native-born	500	*	*	D	500
Naturalized	*	D	D	D	D
Non-U.S. citizen	*	*	D	D	D
Permanent resident	*	D	D	D	D
Temporary resident	D	D	D	D	D

TABLE A-9. Standard errors for employed U.S. scientists and engineers, by highest degree, occupation, citizenship status, and employment sector: 2008

Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment: Business/ industry	4-year college/ university	Other educational institution	Government
Postsecondary teachers-life/related sciences	1,500	*	1,500	500	D
U.S. citizen	1,500	*	1,500	500	D
Native-born	1,500	*	1,500	500	D
Naturalized	1,000	D	1,000	*	D
Non-U.S. citizen	500	D	500	D	D
Permanent resident	500	D	500	D	D
Temporary resident	500	D	500	D	D
Computer/mathematical scientists	3,000	2,500	2,000	1,000	1,500
U.S. citizen	3,000	2,000	1,500	1,000	1,500
Native-born	2,500	2,000	1,500	1,000	1,500
Naturalized	1,500	1,000	1,000	500	500
Non-U.S. citizen	1,500	1,500	1,000	*	*
Permanent resident	1,500	1,500	1,000	*	*
Temporary resident	1,000	1,000	500	D	D
Computer/information scientists	2,500	2,000	1,000	*	1,500
U.S. citizen	2,500	2,000	1,000	*	1,500
Native-born	2,000	1,500	500	D	1,500
Naturalized	1,000	1,000	500	D	500
Non-U.S. citizen	1,500	1,500	500	D	D
Permanent resident	1,500	1,000	500	D	D
Temporary resident	1,000	500	500	D	D
Mathematical scientists	1,500	1,000	500	S	500
U.S. citizen	1,500	1,000	500	S	500
Native-born	1,000	1,000	500	D	500
Naturalized	500	500	500	D	500
Non-U.S. citizen	500	500	500	D	D
Permanent resident	500	500	500	D	D
Temporary resident	500	500	*	D	D
Postsecondary teachers-computer/mathematical sciences	1,500	*	1,500	1,000	D
U.S. citizen	1,500	*	1,000	1,000	D
Native-born	1,500	D	1,000	1,000	D
Naturalized	1,000	D	1,000	500	D
Non-U.S. citizen	1,000	D	1,000	*	D
Permanent resident	1,000	D	1,000	*	D
Temporary resident	500	D	500	D	D
Physical/related scientists	2,000	1,500	1,500	500	1,000
U.S. citizen	2,000	1,500	1,500	500	1,000
Native-born	1,500	1,000	1,000	500	1,000
Naturalized	1,000	1,000	1,000	*	500
Non-U.S. citizen	1,500	1,000	1,000	*	500
Permanent resident	1,000	1,000	1,000	D	*
Temporary resident	500	500	500	D	*
Chemists, except biochemists	1,500	1,000	500	D	1,000
U.S. citizen	1,000	1,000	500	D	1,000
Native-born	1,000	500	500	D	500
Naturalized	1,000	1,000	500	D	500
Non-U.S. citizen	1,000	1,000	500	D	*
Permanent resident	1,000	1,000	500	D	D
Temporary resident	500	500	500	D	D

TABLE A-9. Standard errors for employed U.S. scientists and engineers, by highest degree, occupation, citizenship status, and employment sector: 2008

Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment: Business/ industry	4-year college/ university	Other educational institution	Government
Earth/atmospheric/ocean scientists	1,000	500	500	D	500
U.S. citizen	1,000	500	500	D	500
Native-born	500	500	500	D	500
Naturalized	500	*	*	D	500
Non-U.S. citizen	500	500	500	D	*
Permanent resident	500	*	500	D	D
Temporary resident	500	*	*	D	D
Physicists/astronomers	1,000	1,000	500	D	500
U.S. citizen	1,000	1,000	500	D	500
Native-born	1,000	500	500	D	500
Naturalized	500	500	500	D	500
Non-U.S. citizen	500	500	500	D	*
Permanent resident	500	500	*	D	*
Temporary resident	500	*	500	D	*
Postsecondary teachers-physical/related sciences	1,500	D	1,500	500	D
U.S. citizen	1,000	D	1,000	500	D
Native-born	1,000	D	1,000	500	D
Naturalized	500	D	500	*	D
Non-U.S. citizen	1,000	D	1,000	*	D
Permanent resident	1,000	D	1,000	D	D
Temporary resident	*	D	*	D	D
Other physical/related scientists	1,000	500	500	D	500
U.S. citizen	500	500	*	D	500
Native-born	500	500	*	D	500
Naturalized	500	500	D	D	D
Non-U.S. citizen	500	500	*	D	D
Permanent resident	*	D	D	D	D
Temporary resident	500	*	D	D	D
Social/related scientists	3,000	2,000	2,000	1,500	1,000
U.S. citizen	3,000	1,500	2,000	1,500	1,000
Native-born	2,500	1,500	2,000	1,500	1,000
Naturalized	1,500	1,000	1,000	500	500
Non-U.S. citizen	1,000	500	1,000	*	*
Permanent resident	1,000	500	1,000	*	*
Temporary resident	500	500	500	D	D
Economists	500	500	500	D	500
U.S. citizen	500	500	500	D	500
Native-born	500	500	500	D	500
Naturalized	500	*	*	D	*
Non-U.S. citizen	500	500	500	D	*
Permanent resident	500	*	*	D	*
Temporary resident	500	500	*	D	D
Political/related scientists	500	*	500	D	*
U.S. citizen	500	*	500	D	*
Native-born	500	*	500	D	*
Naturalized	D	D	D	D	D
Non-U.S. citizen	*	D	*	D	D
Permanent resident	*	D	*	D	D
Temporary resident	D	D	D	D	D

TABLE A-9. Standard errors for employed U.S. scientists and engineers, by highest degree, occupation, citizenship status, and employment sector: 2008

Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment: Business/ industry	4-year college/ university	Other educational institution	Government
Postsecondary teachers-social/related sciences	2,500	*	2,000	1,000	*
U.S. citizen	2,000	*	2,000	1,000	*
Native-born	2,000	*	2,000	1,000	*
Naturalized	1,000	D	1,000	*	D
Non-U.S. citizen	1,000	D	1,000	*	D
Permanent resident	1,000	D	1,000	*	D
Temporary resident	500	D	500	D	D
Psychologists	2,000	1,500	1,000	500	500
U.S. citizen	2,000	1,500	1,000	500	500
Native-born	1,500	1,500	1,000	500	500
Naturalized	1,000	1,000	S	*	500
Non-U.S. citizen	500	500	*	D	D
Permanent resident	500	500	*	D	D
Temporary resident	*	D	*	D	D
Sociologists/anthropologists	500	500	500	D	500
U.S. citizen	500	500	500	D	500
Native-born	500	500	500	D	500
Naturalized	*	D	*	D	*
Non-U.S. citizen	500	*	*	D	D
Permanent resident	*	D	*	D	D
Temporary resident	*	D	*	D	D
Other social/related scientists	1,000	500	500	*	500
U.S. citizen	1,000	500	500	*	500
Native-born	1,000	500	500	*	500
Naturalized	500	500	*	D	*
Non-U.S. citizen	500	S	*	D	D
Permanent resident	500	S	*	D	D
Temporary resident	*	*	D	D	D
Engineering occupations	2,500	2,000	1,500	*	1,000
U.S. citizen	2,000	2,000	1,000	*	1,000
Native-born	1,500	1,500	1,000	*	500
Naturalized	1,500	1,500	1,000	D	500
Non-U.S. citizen	1,500	1,500	1,000	D	500
Permanent resident	1,000	1,000	500	D	*
Temporary resident	1,500	1,000	1,000	D	*
Aerospace/aeronautical/astronautical engineers	1,000	1,000	*	D	500
U.S. citizen	1,000	1,000	*	D	500
Native-born	500	500	D	D	500
Naturalized	500	500	D	D	*
Non-U.S. citizen	500	*	*	D	D
Permanent resident	*	*	D	D	D
Temporary resident	*	D	D	D	D
Chemical engineers	1,000	1,000	500	D	*
U.S. citizen	500	500	*	D	*
Native-born	500	500	*	D	*
Naturalized	500	500	D	D	D
Non-U.S. citizen	500	500	*	D	D
Permanent resident	500	500	*	D	D
Temporary resident	500	*	D	D	D

TABLE A-9. Standard errors for employed U.S. scientists and engineers, by highest degree, occupation, citizenship status, and employment sector: 2008

Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment: Business/ industry	4-year college/ university	Other educational institution	Government
Civil/architectural/sanitary engineers	1,000	500	500	D	500
U.S. citizen	500	500	500	D	500
Native-born	500	500	*	D	*
Naturalized	500	500	*	D	500
Non-U.S. citizen	500	500	*	D	*
Permanent resident	500	500	D	D	*
Temporary resident	500	*	*	D	D
Electrical/computer hardware engineers	1,500	1,500	500	D	500
U.S. citizen	1,500	1,000	500	D	500
Native-born	1,000	1,000	500	D	500
Naturalized	1,000	1,000	500	D	S
Non-U.S. citizen	1,000	1,000	500	D	D
Permanent resident	1,000	1,000	*	D	D
Temporary resident	500	500	*	D	D
Industrial engineers	500	500	*	D	*
U.S. citizen	500	500	*	D	*
Native-born	500	500	*	D	D
Naturalized	500	S	D	D	D
Non-U.S. citizen	*	*	D	D	D
Permanent resident	D	D	D	D	D
Temporary resident	D	D	D	D	D
Mechanical engineers	1,000	1,000	500	D	500
U.S. citizen	1,000	500	500	D	500
Native-born	500	500	500	D	*
Naturalized	500	500	*	D	*
Non-U.S. citizen	500	500	*	D	D
Permanent resident	500	500	D	D	D
Temporary resident	500	500	*	D	D
Postsecondary teachers-engineering	1,500	D	1,500	*	*
U.S. citizen	1,000	D	1,000	*	*
Native-born	1,000	D	1,000	*	*
Naturalized	1,000	D	1,000	D	D
Non-U.S. citizen	1,000	D	1,000	D	D
Permanent resident	500	D	500	D	D
Temporary resident	1,000	D	1,000	D	D
Other engineers	1,500	1,500	500	D	500
U.S. citizen	1,500	1,000	500	D	500
Native-born	1,000	1,000	500	D	500
Naturalized	1,000	500	500	D	500
Non-U.S. citizen	1,000	500	500	D	*
Permanent resident	500	500	500	D	*
Temporary resident	1,000	500	500	D	D
S&E-related occupations	4,500	3,000	2,000	3,000	2,000
U.S. citizen	4,500	2,500	2,000	3,000	1,500
Native-born	4,000	2,500	1,500	2,500	1,500
Naturalized	2,000	1,500	1,000	1,000	500
Non-U.S. citizen	1,500	1,000	1,000	*	1,000
Permanent resident	1,500	1,000	1,000	*	1,000
Temporary resident	500	500	500	D	D

TABLE A-9. Standard errors for employed U.S. scientists and engineers, by highest degree, occupation, citizenship status, and employment sector: 2008

Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment: Business/ industry	4-year college/ university	Other educational institution	Government
Health occupations	3,500	2,500	2,000	500	1,500
U.S. citizen	3,500	2,500	2,000	500	1,500
Native-born	3,000	2,000	1,500	500	1,500
Naturalized	1,500	1,000	1,000	D	500
Non-U.S. citizen	1,000	1,000	1,000	D	1,000
Permanent resident	1,000	1,000	1,000	D	S
Temporary resident	500	S	500	D	D
S&E managers, including health	1,500	1,500	500	D	500
U.S. citizen	1,500	1,500	500	D	500
Native-born	1,000	1,000	500	D	500
Naturalized	1,000	1,000	500	D	500
Non-U.S. citizen	500	500	500	D	D
Permanent resident	500	500	*	D	D
Temporary resident	*	*	D	D	D
S&E precollege teachers	3,000	D	D	3,000	D
U.S. citizen	3,000	D	D	3,000	D
Native-born	2,500	D	D	2,500	D
Naturalized	1,000	D	D	1,000	D
Non-U.S. citizen	*	D	D	*	D
Permanent resident	*	D	D	*	D
Temporary resident	D	D	D	D	D
S&E technicians/technologists	1,000	1,000	500	D	*
U.S. citizen	500	500	*	D	*
Native-born	500	500	*	D	*
Naturalized	500	500	D	D	D
Non-U.S. citizen	1,000	500	D	D	D
Permanent resident	500	500	D	D	D
Temporary resident	*	*	D	D	D
Other S&E-related occupations	500	*	D	D	D
U.S. citizen	500	*	D	D	D
Native-born	*	*	D	D	D
Naturalized	*	D	D	D	D
Non-U.S. citizen	*	*	D	D	D
Permanent resident	D	D	D	D	D
Temporary resident	D	D	D	D	D
Non-S&E occupations	7,000	5,000	4,000	3,000	1,500
U.S. citizen	7,000	5,000	4,000	3,000	1,500
Native-born	7,000	5,000	4,000	3,000	1,500
Naturalized	2,500	2,000	1,000	1,000	500
Non-U.S. citizen	2,000	1,500	1,000	500	*
Permanent resident	1,500	1,500	1,000	*	*
Temporary resident	500	500	500	D	D
Arts/humanities/related occupations	1,000	1,000	1,000	D	*
U.S. citizen	1,000	1,000	1,000	D	*
Native-born	1,000	1,000	1,000	D	*
Naturalized	500	500	D	D	D
Non-U.S. citizen	500	500	D	D	D
Permanent resident	500	500	D	D	D
Temporary resident	D	D	D	D	D

TABLE A-9. Standard errors for employed U.S. scientists and engineers, by highest degree, occupation, citizenship status, and employment sector: 2008

Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment: Business/ industry	4-year college/ university	Other educational institution	Government
Management-related occupations	3,500	3,000	500	S	1,500
U.S. citizen	3,500	3,000	500	S	1,500
Native-born	3,000	3,000	500	S	1,500
Naturalized	1,000	1,000	*	D	S
Non-U.S. citizen	500	500	*	D	*
Permanent resident	500	500	*	D	D
Temporary resident	500	500	D	D	D
Non-S&E managers	4,000	2,500	2,000	2,500	1,000
U.S. citizen	3,500	2,500	2,000	2,500	1,000
Native-born	3,500	2,500	2,000	2,500	500
Naturalized	1,000	1,000	500	*	500
Non-U.S. citizen	1,000	1,000	*	D	D
Permanent resident	1,000	1,000	*	D	D
Temporary resident	*	*	D	D	D
Non-S&E postsecondary teachers	3,500	S	3,500	500	D
U.S. citizen	3,500	S	3,500	500	D
Native-born	3,500	S	3,000	500	D
Naturalized	1,000	D	1,000	*	D
Non-U.S. citizen	1,000	D	1,000	D	D
Permanent resident	1,000	D	1,000	D	D
Temporary resident	500	D	500	D	D
Non-S&E precollege/other teachers	2,000	S	D	1,500	*
U.S. citizen	2,000	S	D	1,500	D
Native-born	2,000	S	D	1,500	D
Naturalized	S	D	D	S	D
Non-U.S. citizen	*	D	D	*	D
Permanent resident	D	D	D	D	D
Temporary resident	D	D	D	D	D
Sales/marketing occupations	2,000	2,000	D	D	D
U.S. citizen	2,000	2,000	D	D	D
Native-born	1,500	1,500	D	D	D
Naturalized	1,500	1,500	D	D	D
Non-U.S. citizen	1,000	1,000	D	D	D
Permanent resident	1,000	1,000	D	D	D
Temporary resident	*	*	D	D	D
Social services/related occupations	2,500	2,500	1,000	1,000	500
U.S. citizen	2,500	2,500	1,000	1,000	500
Native-born	2,500	2,500	1,000	1,000	500
Naturalized	500	500	D	D	*
Non-U.S. citizen	*	D	D	D	D
Permanent resident	D	D	D	D	D
Temporary resident	D	D	D	D	D
Other non-S&E occupations	2,000	2,000	1,000	S	1,000
U.S. citizen	2,000	2,000	1,000	S	1,000
Native-born	2,000	2,000	1,000	S	1,000
Naturalized	1,000	1,000	*	D	500

TABLE A-9. Standard errors for employed U.S. scientists and engineers, by highest degree, occupation, citizenship status, and employment sector: 2008

Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment			
		Business/ industry	4-year college/ university	Other educational institution	Government
Non-U.S. citizen	500	500	D	D	D
Permanent resident	*	*	D	D	D
Temporary resident	D	D	D	D	D

* = standard error is not computed when value < 500. 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/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.

TABLE A-10. Standard errors for employed U.S. scientists and engineers, by highest degree, occupation, age, and primary/secondary work activity: 2008

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity: Research and development	Teaching	Management, sales, administration	Computer applications	Other
All degree levels and occupations[a]	81,000	45,000	44,000	73,500	28,500	56,000
<30	22,000	14,500	13,000	17,500	8,500	15,500
30–39	58,500	25,500	24,500	47,000	16,000	34,500
40–49	48,000	23,500	24,000	44,000	15,000	33,500
50–59	48,500	23,500	22,500	39,000	14,500	30,500
60–75	35,500	13,000	14,500	28,000	8,000	23,000
S&E occupations	45,000	31,000	11,000	31,500	21,500	18,500
<30	11,500	9,500	4,500	6,500	7,000	6,000
30–39	20,000	15,000	5,500	15,500	12,500	9,000
40–49	21,500	15,000	5,000	17,500	11,500	9,500
50–59	20,500	14,000	5,500	15,500	11,000	9,000
60–75	10,500	6,500	4,500	8,000	4,500	5,000
Science occupations	36,000	25,000	10,500	24,500	20,500	15,000
<30	11,000	9,000	4,500	6,500	6,500	5,500
30–39	19,000	14,000	5,000	13,500	12,000	8,000
40–49	19,000	12,500	5,000	14,500	11,000	8,000
50–59	16,000	11,500	5,000	11,000	10,000	7,000
60–75	8,500	5,000	4,500	5,500	4,500	4,000
Biological/agricultural/other life scientists	12,500	10,000	4,500	8,500	3,000	6,000
<30	5,000	5,000	2,500	3,000	1,500	2,500
30–39	7,000	5,500	2,000	4,500	1,500	3,500
40–49	6,500	5,000	2,000	5,500	2,000	3,000
50–59	6,000	5,000	2,000	5,000	1,500	3,500
60–75	2,500	2,000	2,000	2,000	1,000	1,500
Agricultural/food scientists	5,500	4,500	1,000	4,500	500	3,500
<30	2,000	2,000	D	1,000	D	1,500
30–39	2,000	1,500	D	2,000	D	2,000
40–49	3,000	2,500	*	3,000	*	1,500
50–59	4,000	3,000	500	3,500	D	2,500
60–75	1,000	500	D	1,000	D	1,000
Biological/medical scientists	10,000	9,000	2,500	7,000	3,000	4,500
<30	4,500	4,500	1,500	2,500	1,500	2,500
30–39	6,000	5,000	1,000	4,000	1,500	2,500
40–49	5,500	4,500	1,000	4,500	2,000	2,500
50–59	4,500	4,500	S	3,000	1,000	2,000
60–75	2,000	1,500	500	1,500	1,000	1,000
Environmental life scientists	4,000	2,500	1,000	3,500	S	2,500
<30	1,000	1,000	D	1,000	D	500
30–39	1,500	1,000	S	1,500	D	1,000
40–49	2,000	1,000	D	1,500	D	1,500
50–59	3,000	1,500	D	2,500	D	2,500
60–75	500	500	D	500	D	500
Postsecondary teachers-life/related sciences	4,500	3,500	4,000	2,000	1,000	1,500
<30	2,000	1,500	2,000	1,500	D	D
30–39	2,500	1,500	2,000	1,000	D	1,500
40–49	2,000	1,500	2,000	1,000	D	500
50–59	2,000	1,500	1,500	1,000	D	1,000
60–75	2,000	1,000	2,000	1,500	S	500
Computer/mathematical scientists	26,000	18,500	7,000	18,000	20,500	10,500
<30	7,500	5,500	2,000	5,000	6,500	3,500
30–39	15,000	11,500	4,000	11,500	12,000	6,500

TABLE A-10. Standard errors for employed U.S. scientists and engineers, by highest degree, occupation, age, and primary/secondary work activity: 2008

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity: Research and development	Teaching	Management, sales, administration	Computer applications	Other
40–49	14,000	10,500	3,500	11,000	11,000	6,000
50–59	13,000	9,000	3,500	8,500	10,000	4,500
60–75	5,500	3,500	2,500	4,500	4,500	2,000
Computer/information scientists	24,500	17,500	5,500	17,500	20,000	10,500
<30	7,500	5,000	1,500	5,000	6,500	3,000
30–39	14,500	10,500	3,000	10,500	12,000	6,500
40–49	13,500	10,000	3,000	10,500	10,500	6,000
50–59	12,000	8,000	3,000	8,500	10,000	4,500
60–75	5,000	3,000	1,500	4,000	4,500	1,500
Mathematical scientists	7,000	6,000	1,500	4,500	4,000	2,000
<30	1,500	1,500	*	1,000	1,000	1,000
30–39	4,500	4,000	S	3,000	2,500	1,500
40–49	4,000	3,500	*	2,500	3,000	1,000
50–59	3,500	3,000	*	2,000	2,000	1,000
60–75	1,500	1,500	D	1,500	500	1,000
Postsecondary teachers-computer/ mathematical sciences	5,000	3,000	4,500	2,500	1,500	1,500
<30	1,500	1,500	1,500	500	500	D
30–39	2,500	2,500	2,500	1,000	S	500
40–49	2,000	1,000	2,000	1,000	500	500
50–59	2,000	1,500	2,000	1,000	1,000	1,000
60–75	2,500	1,000	2,000	1,500	500	S
Physical/related scientists	9,000	7,000	3,000	6,000	2,000	5,500
<30	3,000	2,000	1,500	2,000	1,000	2,000
30–39	4,500	4,000	1,500	3,000	1,000	3,000
40–49	5,000	3,500	2,000	3,500	1,000	3,000
50–59	5,000	4,000	1,500	3,500	1,000	3,000
60–75	2,500	2,000	1,500	1,500	1,000	1,000
Chemists, except biochemists	6,000	4,500	1,000	4,000	1,000	4,000
<30	2,000	1,500	500	1,500	1,000	1,500
30–39	3,500	3,000	*	1,500	1,000	2,500
40–49	3,500	2,500	D	2,500	1,000	2,000
50–59	2,500	2,000	*	2,000	500	2,000
60–75	1,500	1,500	*	1,000	*	1,000
Earth/atmospheric/ocean scientists	4,500	4,000	1,000	4,000	1,500	2,500
<30	1,500	1,000	D	1,000	500	1,000
30–39	2,000	2,000	D	2,000	500	1,000
40–49	2,500	2,000	D	2,500	1,000	1,500
50–59	3,000	2,500	*	2,000	1,000	1,500
60–75	1,000	1,000	D	1,000	500	500
Physicists/astronomers	1,500	1,500	500	1,000	1,000	1,000
<30	1,000	1,000	*	500	500	500
30–39	1,000	1,000	D	500	500	500
40–49	1,000	500	D	500	500	500
50–59	500	500	*	500	500	500
60–75	1,000	1,000	D	500	500	*
Postsecondary teachers-physical/ related sciences	3,000	2,000	3,000	1,500	1,000	500
<30	1,500	1,000	1,000	500	D	500
30–39	1,000	1,000	1,000	1,000	D	500
40–49	2,000	1,000	2,000	1,500	D	500

TABLE A-10. Standard errors for employed U.S. scientists and engineers, by highest degree, occupation, age, and primary/secondary work activity: 2008

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity: Research and development	Teaching	Management, sales, administration	Computer applications	Other
50–59	1,500	1,500	1,500	500	*	*
60–75	1,500	500	1,500	500	D	500
Other physical/related scientists	4,000	2,500	*	3,000	500	2,500
<30	1,000	1,000	D	500	D	500
30–39	2,000	1,500	D	1,500	*	1,500
40–49	2,500	1,500	D	2,000	D	1,500
50–59	2,500	2,000	D	2,500	*	1,500
60–75	1,000	500	D	1,000	D	*
Social/related scientists	13,000	8,500	6,000	9,500	2,500	8,000
<30	5,000	4,000	3,000	3,000	1,000	3,000
30–39	7,000	5,000	2,000	4,500	1,500	4,000
40–49	6,500	4,000	3,000	5,500	1,000	3,500
50–59	6,500	4,500	3,000	5,000	1,500	4,000
60–75	4,500	2,000	2,500	3,000	S	3,000
Economists	2,500	2,000	*	2,000	1,000	2,000
<30	1,500	1,500	D	1,000	500	500
30–39	1,500	1,500	D	1,500	500	1,000
40–49	2,000	500	D	1,500	S	1,500
50–59	1,000	1,000	D	1,000	*	500
60–75	1,000	500	D	1,000	*	500
Political/related scientists	3,000	2,500	*	2,500	D	2,500
<30	1,500	1,500	D	1,000	D	S
30–39	2,000	2,000	D	1,500	D	1,500
40–49	1,000	S	D	S	D	D
50–59	S	500	D	S	D	D
60–75	S	*	D	D	D	D
Postsecondary teachers-social/related sciences	5,000	3,500	5,000	2,000	500	2,500
<30	2,500	2,000	2,500	1,000	D	D
30–39	2,000	1,500	2,000	500	D	500
40–49	2,500	2,000	2,500	1,000	D	1,000
50–59	2,500	1,000	2,500	1,000	D	1,500
60–75	2,000	1,500	2,000	1,000	D	1,500
Psychologists	7,000	4,500	3,000	4,500	1,000	6,500
<30	3,000	2,500	1,500	1,500	1,000	2,500
30–39	3,000	2,500	1,000	1,500	S	2,500
40–49	3,000	1,500	1,500	2,500	D	2,500
50–59	4,000	2,500	2,000	3,000	*	4,000
60–75	2,500	1,000	1,500	1,500	D	2,500
Sociologists/anthropologists	2,500	2,500	1,000	2,000	S	1,000
<30	1,500	1,500	D	1,500	D	S
30–39	1,500	1,500	D	1,000	D	500
40–49	1,000	1,000	D	500	D	*
50–59	1,500	1,500	D	1,500	D	500
60–75	500	500	D	500	D	500
Other social/related scientists	8,500	6,000	1,000	7,500	2,000	4,000
<30	3,000	2,500	500	2,500	S	1,500
30–39	5,000	3,500	*	4,000	1,000	3,000
40–49	5,000	3,000	S	4,500	500	1,500
50–59	4,000	3,000	500	3,000	1,500	1,500
60–75	2,500	1,500	D	2,000	D	1,500

TABLE A-10. Standard errors for employed U.S. scientists and engineers, by highest degree, occupation, age, and primary/secondary work activity: 2008

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, administration	Computer applications	Other
Engineering occupations	20,500	15,500	3,500	17,000	7,000	10,000
<30	5,000	4,500	1,000	3,500	2,000	2,500
30–39	9,500	7,500	2,000	8,000	4,000	4,500
40–49	10,500	9,000	1,500	9,000	4,000	5,500
50–59	11,000	8,000	2,500	9,500	3,500	4,500
60–75	6,500	4,000	1,000	6,000	1,500	3,500
Aerospace/aeronautical/astronautical engineers	5,000	4,000	1,500	4,000	2,500	3,000
<30	1,000	1,000	*	1,000	500	500
30–39	2,500	2,000	D	1,500	1,500	1,000
40–49	3,000	2,500	D	2,500	1,500	2,000
50–59	3,000	2,000	D	2,000	1,500	1,000
60–75	2,000	1,500	D	2,000	500	1,500
Chemical engineers	4,500	4,000	*	3,500	1,500	2,500
<30	1,000	1,000	D	1,000	500	500
30–39	2,500	2,500	D	2,000	500	1,000
40–49	2,500	2,000	D	2,000	500	2,000
50–59	2,500	2,000	D	2,000	1,000	1,000
60–75	1,500	1,500	D	1,000	D	1,000
Civil/architectural/sanitary engineers	7,500	5,000	1,500	7,500	2,000	4,000
<30	2,000	2,000	*	1,500	500	1,000
30–39	4,000	3,000	500	4,000	1,000	2,500
40–49	4,500	2,500	S	4,000	1,500	2,000
50–59	4,000	3,000	D	4,000	1,000	2,000
60–75	3,000	2,000	D	3,000	500	1,500
Electrical/computer hardware engineers	8,500	8,000	1,000	7,000	5,000	4,000
<30	3,000	2,500	D	2,000	2,000	1,500
30–39	5,000	4,500	500	3,500	3,000	2,000
40–49	5,500	5,000	500	4,500	3,000	2,000
50–59	4,500	4,000	S	3,500	2,000	1,500
60–75	2,500	2,000	D	2,000	1,000	1,000
Industrial engineers	5,500	4,000	500	5,000	1,500	3,500
<30	1,500	1,000	*	1,000	500	1,000
30–39	3,000	2,000	D	3,000	1,500	2,000
40–49	3,500	2,500	D	3,000	1,000	2,000
50–59	3,500	2,500	D	3,000	500	2,500
60–75	1,000	500	D	1,000	D	500
Mechanical engineers	8,500	7,500	1,500	7,000	2,000	4,000
<30	2,000	2,000	*	1,500	1,000	1,000
30–39	4,000	4,000	500	3,500	1,000	2,000
40–49	5,500	4,500	500	4,500	1,000	3,000
50–59	4,500	3,500	S	4,000	1,000	2,000
60–75	2,500	2,000	S	2,500	500	1,000
Postsecondary teachers-engineering	2,000	2,000	2,000	1,000	500	1,000
<30	1,000	1,000	1,000	500	*	S
30–39	1,000	1,000	1,000	500	*	*
40–49	1,500	1,000	1,000	500	D	*
50–59	1,500	1,000	1,500	1,000	D	*
60–75	1,000	500	1,000	500	*	*
Other engineers	11,000	7,500	2,000	9,000	3,000	6,000
<30	2,500	2,000	1,000	2,000	1,000	1,500
30–39	5,500	4,000	500	4,500	1,500	2,500

TABLE A-10. Standard errors for employed U.S. scientists and engineers, by highest degree, occupation, age, and primary/secondary work activity: 2008

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity: Research and development	Teaching	Management, sales, administration	Computer applications	Other
40–49	5,500	4,000	*	5,500	2,000	3,500
50–59	5,500	3,500	S	5,000	1,500	3,500
60–75	4,000	3,000	500	3,000	1,000	2,500
S&E-related occupations	50,000	25,500	32,500	36,500	14,000	40,000
<30	13,000	7,000	8,500	9,000	3,500	11,500
30–39	26,500	15,000	18,000	20,000	8,000	22,000
40–49	27,000	12,500	17,000	20,500	8,000	22,500
50–59	25,500	11,500	17,500	19,500	6,500	19,500
60–75	16,000	7,000	8,500	12,000	3,500	13,000
Health occupations	40,500	15,500	24,500	29,000	7,000	38,500
<30	12,000	5,500	7,000	7,500	2,000	11,500
30–39	21,000	9,500	13,500	16,000	4,000	21,000
40–49	23,000	8,000	14,000	17,000	4,500	21,500
50–59	20,500	9,000	13,000	16,000	4,000	19,000
60–75	13,000	5,000	7,000	10,000	2,000	12,000
S&E managers	17,000	8,000	2,500	17,000	6,000	6,500
<30	1,500	1,000	D	1,500	D	1,000
30–39	8,000	4,000	D	8,000	3,500	3,000
40–49	10,500	4,500	S	10,000	4,000	3,500
50–59	9,000	4,000	S	8,500	2,500	5,000
60–75	5,000	2,500	*	5,000	2,000	2,500
S&E precollege teachers	20,000	10,000	19,500	13,500	4,000	4,000
<30	4,500	2,000	4,500	3,500	1,000	1,500
30–39	12,000	7,500	11,500	7,000	2,000	2,000
40–49	10,500	5,000	10,000	7,000	2,500	3,000
50–59	9,500	4,500	9,500	6,000	2,000	2,000
60–75	5,500	2,500	5,000	3,500	D	1,500
S&E technicians/technologists	14,500	11,500	3,000	9,000	10,000	8,500
<30	4,500	4,000	S	2,500	3,000	2,500
30–39	8,000	6,500	S	5,000	6,500	4,000
40–49	9,000	6,500	2,500	6,000	5,500	4,500
50–59	6,500	4,500	1,500	4,000	4,000	4,000
60–75	3,500	2,500	D	3,000	2,500	2,500
Other S&E-related occupations	10,000	8,000	D	8,500	2,500	6,500
<30	1,500	1,000	D	1,000	1,000	1,000
30–39	6,000	4,500	D	5,000	2,500	3,500
40–49	6,000	4,500	D	5,500	1,000	4,000
50–59	4,500	3,500	D	4,500	D	4,000
60–75	4,000	3,000	D	3,000	D	2,500
Non-S&E occupations	81,000	30,500	32,500	73,500	14,000	43,500
<30	16,000	8,000	8,000	15,000	3,500	11,000
30–39	49,000	18,000	16,500	42,500	7,000	25,000
40–49	45,000	14,500	17,000	40,500	7,000	25,000
50–59	37,000	15,000	16,000	35,000	8,000	23,500
60–75	27,000	9,000	10,000	22,000	5,000	16,500
Arts/humanities/related occupations	14,500	8,500	4,500	11,500	4,000	10,000
<30	4,000	2,000	1,500	3,000	1,000	2,500
30–39	7,500	5,000	2,500	6,000	2,500	4,500
40–49	8,500	4,500	3,500	6,000	2,000	6,000
50–59	7,500	4,000	2,000	7,000	S	5,000
60–75	5,000	3,000	1,500	4,500	1,500	4,000

TABLE A-10. Standard errors for employed U.S. scientists and engineers, by highest degree, occupation, age, and primary/secondary work activity: 2008

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, administration	Computer applications	Other
Management-related occupations	31,000	12,500	6,500	30,000	6,500	15,500
<30	7,500	3,500	1,500	7,000	2,000	4,000
30–39	15,500	7,500	3,500	15,500	3,500	8,000
40–49	17,000	6,500	3,500	16,000	3,500	9,000
50–59	16,000	6,000	4,000	15,500	4,000	8,000
60–75	9,500	4,000	2,500	9,000	2,500	6,000
Non-S&E managers	28,500	10,500	5,500	28,500	4,500	13,500
<30	3,000	1,500	1,000	3,000	500	1,500
30–39	15,000	4,500	2,500	15,000	2,500	6,500
40–49	16,000	6,500	3,000	16,000	2,000	7,500
50–59	16,000	5,500	4,000	16,000	2,500	8,000
60–75	10,000	3,000	2,000	9,500	2,000	5,000
Non-S&E postsecondary teachers	8,500	4,500	8,000	4,500	1,000	3,500
<30	3,000	1,500	3,000	1,500	500	1,500
30–39	4,500	3,000	4,500	2,500	500	1,500
40–49	4,000	2,500	3,500	2,500	D	1,000
50–59	4,500	2,000	4,500	3,000	D	2,500
60–75	4,000	2,000	3,500	2,000	D	2,000
Non-S&E precollege/other teachers	24,500	10,000	24,000	14,000	4,500	10,000
<30	6,500	3,000	6,500	4,000	S	2,000
30–39	11,500	5,500	11,000	6,500	1,500	4,500
40–49	13,500	5,500	13,500	8,000	2,500	6,000
50–59	12,000	5,500	12,000	7,500	3,000	6,000
60–75	7,000	3,500	7,000	4,500	D	2,000
Sales/marketing occupations	33,000	12,500	6,500	32,500	5,500	14,500
<30	7,500	2,500	1,500	7,500	1,500	2,500
30–39	17,000	7,000	2,500	16,500	3,000	8,000
40–49	19,500	6,500	4,500	18,500	3,500	7,500
50–59	15,000	6,000	3,000	15,500	2,500	7,000
60–75	12,500	4,500	S	12,500	2,500	6,000
Social services/related occupations	19,500	6,500	10,500	14,500	3,500	16,500
<30	6,500	2,500	3,500	4,500	1,500	6,500
30–39	10,500	4,000	5,500	7,000	S	9,500
40–49	10,000	3,500	5,000	7,500	1,000	8,500
50–59	11,500	3,500	5,500	9,500	2,500	10,000
60–75	6,000	2,500	3,500	4,500	D	5,500
Other non-S&E occupations	46,000	17,500	14,500	39,000	7,500	30,500
<30	12,000	5,500	4,000	10,000	2,500	8,500
30–39	26,000	10,000	7,500	21,500	3,500	16,000
40–49	25,500	8,500	7,000	22,000	4,000	17,500
50–59	22,500	9,000	7,500	19,500	5,500	15,500
60–75	16,500	5,000	4,000	13,000	3,500	11,500
Bachelor's degrees, all occupations	66,500	36,000	33,500	62,500	24,000	45,500
<30	19,000	12,000	10,000	15,000	8,000	13,500
30–39	45,500	20,000	17,500	39,500	14,000	26,000
40–49	40,000	19,500	19,000	36,000	13,500	26,500
50–59	34,000	18,000	16,500	29,000	12,000	23,000
60–75	24,500	9,500	8,500	20,500	6,500	14,000
S&E occupations	33,000	23,000	7,500	25,000	17,500	15,000
<30	10,500	9,000	4,000	6,000	6,500	5,000
30–39	15,500	12,000	3,500	12,500	10,500	7,500

TABLE A-10. Standard errors for employed U.S. scientists and engineers, by highest degree, occupation, age, and primary/secondary work activity: 2008

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity: Research and development	Teaching	Management, sales, administration	Computer applications	Other
40–49	18,000	12,500	4,000	14,000	10,500	8,000
50–59	15,000	10,500	4,000	12,000	9,000	7,000
60–75	7,500	4,500	1,500	6,500	4,000	3,500
Science occupations	26,000	18,500	7,000	19,500	17,000	11,500
<30	10,000	8,000	4,000	6,000	6,000	4,500
30–39	15,000	10,500	3,500	11,000	10,000	7,000
40–49	15,000	10,000	3,500	11,500	10,000	6,500
50–59	11,500	8,500	3,500	9,000	8,500	5,000
60–75	5,000	3,500	1,500	4,000	4,000	2,000
Biological/agricultural/other life scientists	10,000	7,500	3,500	7,500	1,500	5,500
<30	4,500	4,500	2,500	2,500	1,000	2,500
30–39	5,500	4,000	2,000	4,000	1,000	3,000
40–49	4,500	3,000	1,500	4,500	D	3,000
50–59	4,500	3,500	1,500	4,000	S	3,000
60–75	1,000	1,000	D	1,000	D	500
Agricultural/food scientists	5,000	4,000	500	4,500	D	3,500
<30	2,000	2,000	D	1,000	D	1,500
30–39	2,000	1,500	D	2,000	D	S
40–49	3,000	2,500	D	2,500	D	1,500
50–59	3,500	2,500	D	3,500	D	2,500
60–75	D	D	D	D	D	D
Biological/medical scientists	8,000	6,500	2,000	5,500	1,500	4,000
<30	4,000	4,000	1,500	2,000	1,000	2,000
30–39	4,500	4,000	D	3,500	D	2,500
40–49	4,000	2,500	1,000	3,500	D	2,500
50–59	3,000	3,000	D	2,500	S	1,000
60–75	1,000	1,000	D	500	D	500
Environmental life scientists	3,500	2,000	500	3,000	D	2,000
<30	1,000	S	D	1,000	D	D
30–39	1,000	1,000	D	1,000	D	1,000
40–49	1,500	S	D	1,500	D	1,500
50–59	2,500	S	D	2,500	D	2,000
60–75	500	D	D	500	D	500
Postsecondary teachers-life/related sciences	3,000	2,000	3,000	1,500	D	1,500
<30	2,000	1,500	2,000	1,500	D	D
30–39	S	D	D	D	D	D
40–49	D	D	D	D	D	D
50–59	1,000	D	D	D	D	D
60–75	D	D	D	D	D	D
Computer/mathematical scientists	21,500	15,000	5,500	15,500	16,500	9,500
<30	7,000	5,500	2,000	4,500	6,000	3,000
30–39	12,500	9,000	2,500	9,500	10,000	6,000
40–49	12,500	9,000	3,000	9,500	10,000	5,500
50–59	10,000	6,500	3,000	7,000	8,500	4,000
60–75	4,500	2,500	1,500	3,500	3,500	1,000
Computer/information scientists	21,000	14,500	5,000	15,000	16,500	9,000
<30	7,000	5,000	1,500	4,500	6,000	3,000
30–39	12,000	8,500	2,500	9,000	10,000	5,500
40–49	12,500	8,500	3,000	9,500	9,500	5,500
50–59	10,000	6,000	2,500	7,000	8,500	4,000
60–75	4,000	2,500	S	3,500	4,000	1,000

TABLE A-10. Standard errors for employed U.S. scientists and engineers, by highest degree, occupation, age, and primary/secondary work activity: 2008

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity: Research and development	Teaching	Management, sales, administration	Computer applications	Other
Mathematical scientists	5,000	4,500	D	3,500	3,500	1,500
<30	1,500	1,500	D	1,000	1,000	500
30–39	3,500	3,000	D	2,500	2,500	1,500
40–49	3,000	2,500	D	2,000	2,000	D
50–59	2,500	2,000	D	1,500	S	D
60–75	1,000	S	D	500	D	D
Postsecondary teachers-computer/ mathematical sciences	2,500	2,000	2,500	1,000	1,000	500
<30	1,500	1,500	1,500	500	D	D
30–39	1,500	S	S	D	D	D
40–49	1,000	D	1,000	D	D	D
50–59	1,500	D	1,500	D	D	D
60–75	1,000	D	1,000	D	D	D
Physical/related scientists	7,500	6,000	2,000	5,500	1,500	5,000
<30	2,500	2,000	1,000	1,500	1,000	1,500
30–39	4,000	3,500	1,000	2,500	1,000	3,000
40–49	3,500	2,500	D	3,000	1,000	2,500
50–59	4,500	3,500	D	3,000	S	3,000
60–75	1,500	1,500	D	1,000	D	1,000
Chemists, except biochemists	5,500	4,000	500	3,500	1,000	4,000
<30	2,000	1,500	500	1,500	S	1,500
30–39	3,500	2,500	D	1,500	1,000	2,500
40–49	3,000	2,000	D	2,000	D	2,000
50–59	2,500	2,000	D	1,500	D	2,000
60–75	1,500	1,500	D	1,000	D	500
Earth/atmospheric/ocean scientists	3,500	3,500	D	3,000	1,000	2,000
<30	1,000	1,000	D	1,000	500	1,000
30–39	2,000	1,500	D	1,500	S	500
40–49	1,500	1,000	D	1,500	D	1,000
50–59	2,500	2,500	D	1,500	S	1,500
60–75	1,000	1,000	D	1,000	D	D
Physicists/astronomers	1,000	1,000	D	500	500	500
<30	500	500	D	D	500	*
30–39	500	500	D	D	D	D
40–49	D	D	D	D	D	D
50–59	D	D	D	D	D	D
60–75	D	D	D	D	D	D
Postsecondary teachers-physical/ related sciences	1,500	1,000	1,500	1,500	D	500
<30	1,000	1,000	1,000	500	D	500
30–39	500	500	500	D	D	D
40–49	D	D	D	D	D	D
50–59	D	D	D	D	D	D
60–75	D	D	D	D	D	D
Other physical/related scientists	3,500	2,500	D	2,500	D	2,000
<30	1,000	1,000	D	500	D	*
30–39	2,000	1,500	D	1,500	D	1,500
40–49	1,500	1,000	D	1,000	D	1,500
50–59	2,500	2,000	D	2,000	D	1,500
60–75	D	D	D	D	D	D

TABLE A-10. Standard errors for employed U.S. scientists and engineers, by highest degree, occupation, age, and primary/secondary work activity: 2008

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity: Research and development	Teaching	Management, sales, administration	Computer applications	Other
Social/related scientists	7,500	6,000	3,000	6,500	2,000	4,000
<30	4,000	3,500	2,000	3,000	1,000	2,000
30–39	4,000	3,000	1,500	3,500	D	2,500
40–49	4,000	2,500	D	4,000	500	1,500
50–59	4,000	3,000	D	3,500	D	2,000
60–75	2,000	S	D	2,000	D	D
Economists	1,500	1,500	D	1,500	500	500
<30	1,000	1,000	D	D	D	D
30–39	D	D	D	D	D	D
40–49	500	D	D	S	D	D
50–59	D	D	D	D	D	D
60–75	D	D	D	D	D	D
Political/related scientists	2,000	2,000	D	S	D	D
<30	1,500	1,500	D	D	D	D
30–39	S	D	D	D	D	D
40–49	D	D	D	D	D	D
50–59	D	D	D	D	D	D
60–75	D	D	D	D	D	D
Postsecondary teachers-social/ related sciences	3,000	2,000	2,500	1,000	D	D
<30	2,000	2,000	2,000	1,000	D	D
30–39	1,500	D	1,500	D	D	D
40–49	D	D	D	D	D	D
50–59	D	D	D	D	D	D
60–75	D	D	D	D	D	D
Psychologists	3,000	3,000	1,500	2,000	D	2,000
<30	2,500	2,000	D	1,500	D	1,500
30–39	1,000	D	D	D	D	1,000
40–49	1,500	D	D	D	D	S
50–59	D	D	D	D	D	D
60–75	D	D	D	D	D	D
Sociologists/anthropologists	2,000	1,500	D	1,000	D	D
<30	1,500	1,500	D	1,000	D	D
30–39	1,000	1,000	D	D	D	D
40–49	D	D	D	D	D	D
50–59	D	D	D	D	D	D
60–75	D	D	D	D	D	D
Other social/related scientists	6,000	4,500	D	5,500	1,500	3,000
<30	2,500	2,000	D	2,000	D	S
30–39	3,500	2,000	D	3,000	D	S
40–49	4,000	2,500	D	4,000	D	1,500
50–59	3,000	2,500	D	2,500	D	S
60–75	2,000	D	D	2,000	D	D
Engineering occupations	17,500	12,500	3,000	15,000	6,000	9,000
<30	4,500	4,000	1,000	3,500	2,000	2,500
30–39	8,000	6,000	1,500	7,000	3,500	4,000
40–49	9,500	7,500	1,500	8,000	3,500	5,000
50–59	9,000	6,500	2,000	7,500	2,500	4,000
60–75	5,500	3,500	500	5,000	1,000	3,000
Aerospace/aeronautical/astronautical engineers	4,000	3,000	S	3,000	2,000	2,500
<30	1,000	1,000	*	500	500	500

TABLE A-10. Standard errors for employed U.S. scientists and engineers, by highest degree, occupation, age, and primary/secondary work activity: 2008

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, administration	Computer applications	Other
30–39	1,500	1,500	D	1,000	1,500	500
40–49	2,500	2,000	D	2,000	1,500	1,500
50–59	2,500	2,000	D	1,500	1,000	1,000
60–75	2,000	1,000	D	1,500	D	S
Chemical engineers	4,000	3,500	D	3,000	1,000	2,000
<30	1,000	1,000	D	500	500	500
30–39	2,500	2,500	D	2,000	D	1,000
40–49	2,000	1,500	D	1,500	500	2,000
50–59	2,000	1,500	D	1,500	500	500
60–75	1,000	1,000	D	1,000	D	500
Civil/architectural/sanitary engineers	6,500	4,000	1,500	6,500	1,500	3,500
<30	2,000	1,500	D	1,500	500	1,000
30–39	3,500	2,500	D	3,500	1,000	2,500
40–49	3,500	2,500	S	3,000	1,500	1,500
50–59	3,500	2,000	D	3,500	500	2,000
60–75	2,500	1,500	D	2,500	D	1,000
Electrical/computer hardware engineers	7,000	6,500	1,000	5,500	4,000	3,500
<30	2,500	2,000	D	2,000	1,500	1,500
30–39	4,000	3,500	D	3,000	2,500	2,000
40–49	4,500	4,000	D	3,500	2,500	2,000
50–59	4,000	3,500	D	3,000	2,000	1,500
60–75	2,000	1,500	D	2,000	1,000	500
Industrial engineers	5,000	3,500	500	4,500	1,500	3,000
<30	1,000	1,000	D	1,000	500	1,000
30–39	2,500	1,500	D	2,500	S	1,500
40–49	2,500	2,000	D	2,500	1,000	1,500
50–59	3,000	2,500	D	2,500	D	2,000
60–75	1,000	500	D	1,000	D	D
Mechanical engineers	7,000	6,000	1,500	6,500	1,500	4,000
<30	2,000	2,000	*	1,500	1,000	1,000
30–39	3,500	3,500	D	3,000	1,000	1,500
40–49	4,500	4,000	D	4,000	1,000	2,500
50–59	3,500	3,000	D	3,000	1,000	2,000
60–75	2,000	1,500	D	2,000	500	1,000
Postsecondary teachers-engineering	1,500	1,000	1,500	500	S	S
<30	1,000	S	500	D	D	D
30–39	D	D	D	D	D	D
40–49	500	D	500	D	D	D
50–59	1,000	D	1,000	D	D	D
60–75	500	D	500	D	D	D
Other engineers	9,500	6,500	1,000	8,000	2,500	5,500
<30	2,500	2,000	1,000	1,500	1,000	1,000
30–39	5,000	3,500	500	4,000	1,500	2,500
40–49	5,000	3,500	D	4,500	1,500	3,000
50–59	4,500	3,000	500	4,000	1,500	3,000
60–75	3,000	2,000	D	2,500	D	2,500
S&E-related occupations	36,000	19,500	23,500	30,500	12,500	31,000
<30	10,500	5,500	7,000	7,500	3,000	9,500
30–39	19,000	11,500	12,500	16,000	7,000	17,000
40–49	21,500	10,500	13,000	18,500	7,500	17,500

TABLE A-10. Standard errors for employed U.S. scientists and engineers, by highest degree, occupation, age, and primary/secondary work activity: 2008

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity: Research and development	Teaching	Management, sales, administration	Computer applications	Other
50–59	19,500	9,000	12,000	15,000	6,000	15,500
60–75	11,000	5,000	6,000	8,500	3,000	9,000
Health occupations	31,000	12,500	20,000	23,000	6,500	29,000
<30	10,000	4,000	6,000	6,500	1,500	9,500
30–39	16,500	7,500	11,000	12,500	3,000	16,000
40–49	18,000	6,000	11,500	15,000	4,000	16,500
50–59	16,000	7,000	10,000	12,500	4,000	15,500
60–75	8,500	3,000	5,500	6,500	S	8,000
S&E managers	12,000	6,000	S	12,000	5,500	5,500
<30	1,500	1,000	D	1,500	D	1,000
30–39	6,500	3,500	D	6,500	3,000	2,500
40–49	7,500	3,500	D	7,500	3,500	3,000
50–59	6,500	3,000	D	6,500	2,000	4,000
60–75	4,000	2,000	D	4,000	1,500	1,500
S&E precollege teachers	12,500	6,500	12,000	8,500	2,000	2,500
<30	3,500	2,000	3,500	2,500	D	1,000
30–39	7,500	5,000	6,500	5,000	D	1,000
40–49	7,000	3,500	7,000	4,500	D	2,000
50–59	6,500	3,500	6,500	3,500	1,000	1,500
60–75	3,000	1,000	3,000	2,000	D	D
S&E technicians/technologists	13,500	10,500	3,000	8,500	9,000	8,000
<30	4,000	3,500	S	2,500	3,000	2,500
30–39	7,000	5,500	D	5,000	5,500	4,000
40–49	8,500	6,000	2,500	5,500	5,000	4,500
50–59	6,000	4,000	1,500	4,000	4,000	3,500
60–75	3,000	2,000	D	3,000	2,000	2,000
Other S&E-related occupations	8,500	6,500	D	7,500	2,500	6,000
<30	1,500	1,000	D	1,000	1,000	1,000
30–39	5,000	3,500	D	4,500	2,000	3,000
40–49	5,500	4,000	D	5,000	1,000	3,500
50–59	4,000	3,000	D	4,000	D	3,000
60–75	3,500	2,500	D	3,000	D	2,500
Non-S&E occupations	65,000	24,000	22,500	57,500	11,500	33,500
<30	14,500	6,500	6,500	13,000	3,000	9,000
30–39	36,500	13,000	12,000	33,500	6,500	17,500
40–49	36,500	12,000	13,000	32,000	6,000	19,000
50–59	29,000	11,500	10,500	27,000	6,500	17,000
60–75	19,000	7,000	6,000	16,500	4,000	10,500
Arts/humanities/related occupations	12,000	7,000	3,000	9,500	3,500	8,500
<30	3,500	2,000	1,500	2,500	1,000	2,500
30–39	7,000	4,500	2,000	6,000	2,500	4,500
40–49	7,000	3,500	S	5,000	2,000	5,000
50–59	6,000	3,000	D	5,000	D	4,000
60–75	3,500	2,000	D	3,500	D	3,000
Management-related occupations	26,000	10,000	6,000	25,000	6,000	13,000
<30	7,000	3,000	1,000	6,500	1,500	3,500
30–39	13,000	5,500	3,500	13,000	3,500	7,000
40–49	14,500	5,500	3,000	13,500	3,000	6,500
50–59	12,500	4,500	3,500	12,000	3,500	6,500
60–75	7,000	3,500	S	7,000	2,000	4,500

TABLE A-10. Standard errors for employed U.S. scientists and engineers, by highest degree, occupation, age, and primary/secondary work activity: 2008

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity: Research and development	Teaching	Management, sales, administration	Computer applications	Other
Non-S&E managers	21,000	7,500	3,500	21,000	4,000	8,500
<30	2,500	1,000	D	2,000	D	1,000
30–39	10,500	3,500	S	10,500	2,500	3,500
40–49	12,000	5,000	1,000	12,000	1,500	4,500
50–59	11,500	4,000	3,000	11,500	2,500	5,500
60–75	6,500	2,500	D	6,500	D	3,000
Non-S&E postsecondary teachers	3,500	2,000	3,500	3,000	1,000	1,500
<30	2,000	1,000	1,500	1,000	D	S
30–39	1,500	D	1,500	D	D	D
40–49	2,000	1,000	2,000	S	D	D
50–59	1,500	D	1,500	1,500	D	D
60–75	2,000	S	1,500	D	D	D
Non-S&E precollege/other teachers	18,000	7,000	17,500	10,000	3,500	7,000
<30	5,000	2,000	5,000	3,000	D	1,500
30–39	7,500	4,000	7,500	4,000	D	3,000
40–49	10,500	4,500	10,000	6,500	S	5,000
50–59	8,500	3,500	8,000	4,500	2,500	3,500
60–75	5,000	2,500	4,500	3,000	D	D
Sales/marketing occupations	28,000	11,000	6,000	27,500	5,000	12,000
<30	7,000	2,500	1,500	7,000	1,500	2,500
30–39	14,500	6,000	2,500	14,500	3,000	6,500
40–49	17,000	6,000	4,000	16,500	3,000	6,000
50–59	13,500	5,000	3,000	13,500	2,000	6,000
60–75	10,000	3,500	D	10,000	2,000	4,500
Social services/related occupations	12,500	4,500	6,000	9,000	2,500	11,000
<30	5,000	1,500	2,500	3,500	1,500	4,500
30–39	7,000	2,500	4,000	4,500	D	6,500
40–49	6,500	2,500	2,500	5,000	D	5,000
50–59	7,000	D	2,500	6,000	2,000	6,500
60–75	3,000	D	1,500	2,500	D	2,500
Other non-S&E occupations	37,000	14,000	11,000	31,500	6,500	24,000
<30	10,500	4,500	3,500	9,000	2,500	7,000
30–39	19,000	7,000	6,500	17,000	3,000	11,000
40–49	21,000	6,000	5,500	18,500	3,500	13,500
50–59	18,500	8,000	5,500	15,500	4,500	12,500
60–75	13,500	4,000	3,000	11,500	3,000	8,500
Master's degrees, all occupations	50,000	26,500	27,500	43,000	14,000	28,000
<30	11,500	6,500	7,000	8,000	3,500	8,000
30–39	26,500	15,000	15,500	20,000	7,500	15,000
40–49	26,000	13,500	14,500	24,000	7,500	17,500
50–59	28,000	14,500	14,500	22,500	8,000	17,000
60–75	20,000	8,500	10,000	15,500	4,500	13,500
S&E occupations	23,000	17,000	7,000	16,000	11,500	9,500
<30	5,500	4,000	2,500	3,000	3,000	3,000
30–39	12,000	9,000	4,000	8,500	6,500	4,500
40–49	11,000	8,000	3,000	9,000	6,000	5,000
50–59	11,500	8,500	3,500	8,000	5,500	5,000
60–75	6,500	4,000	3,500	4,500	3,000	4,000
Science occupations	19,000	14,000	7,000	12,000	11,000	8,500
<30	5,000	3,500	2,500	3,000	3,000	3,000
30–39	11,000	8,500	4,000	7,500	6,500	4,000

TABLE A-10. Standard errors for employed U.S. scientists and engineers, by highest degree, occupation, age, and primary/secondary work activity: 2008

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, administration	Computer applications	Other
40–49	9,500	7,000	3,000	7,500	6,000	4,500
50–59	9,000	6,500	3,000	6,000	5,500	4,500
60–75	5,500	3,000	3,500	3,500	3,000	3,000
Biological/agricultural/other life scientists	6,000	5,500	2,500	4,000	3,000	3,000
<30	2,000	2,000	1,000	1,500	500	1,000
30–39	3,500	3,000	1,000	2,500	1,500	1,500
40–49	3,500	3,000	1,000	2,500	S	1,500
50–59	3,500	3,000	1,000	2,500	S	2,000
60–75	1,500	1,000	1,500	1,500	D	1,000
Agricultural/food scientists	2,500	2,000	D	2,000	D	1,500
<30	500	500	D	500	D	D
30–39	1,500	1,000	D	1,500	D	D
40–49	1,500	1,500	D	1,500	D	D
50–59	1,500	1,500	D	1,500	D	D
60–75	S	D	D	D	D	D
Biological/medical scientists	4,500	4,500	1,000	3,500	2,500	2,500
<30	2,000	2,000	S	1,000	500	1,000
30–39	3,000	2,500	S	2,000	1,500	1,000
40–49	3,000	2,500	S	2,500	S	1,500
50–59	2,500	2,500	D	2,000	500	1,500
60–75	1,000	1,000	D	1,000	D	500
Environmental life scientists	2,500	1,500	D	2,000	D	1,500
<30	500	500	D	500	D	D
30–39	1,000	1,000	D	1,000	D	D
40–49	1,000	D	D	S	D	D
50–59	2,000	1,000	D	1,500	D	D
60–75	D	D	D	D	D	D
Postsecondary teachers-life/related sciences	2,500	2,000	2,000	1,500	D	1,000
<30	1,000	S	1,000	*	D	D
30–39	1,000	1,000	1,000	500	D	D
40–49	1,000	D	1,000	500	D	D
50–59	1,500	D	1,000	500	D	D
60–75	1,500	D	1,500	D	D	D
Computer/mathematical scientists	14,500	10,500	4,500	10,000	10,500	5,000
<30	3,000	2,500	1,000	2,000	2,500	1,000
30–39	9,000	7,000	3,000	6,000	6,500	2,000
40–49	7,500	5,500	1,500	6,000	5,500	3,000
50–59	6,500	5,000	2,000	4,500	5,000	2,500
60–75	3,500	2,000	2,000	3,000	3,000	1,500
Computer/information scientists	13,500	9,500	2,500	10,000	10,500	4,500
<30	3,000	2,500	D	2,000	2,500	1,000
30–39	8,000	6,500	2,000	6,000	6,500	2,000
40–49	7,000	5,000	1,000	5,500	5,500	3,000
50–59	6,000	4,500	1,500	4,500	5,000	2,500
60–75	3,000	1,500	D	2,500	3,000	1,000
Mathematical scientists	4,500	3,500	S	3,000	2,500	1,500
<30	1,000	1,000	*	500	500	500
30–39	3,000	2,500	D	1,500	1,000	500
40–49	3,000	2,000	D	2,000	2,000	D
50–59	2,000	2,000	D	1,500	1,500	D
60–75	1,000	1,000	D	D	D	D

TABLE A-10. Standard errors for employed U.S. scientists and engineers, by highest degree, occupation, age, and primary/secondary work activity: 2008

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity: Research and development	Teaching	Management, sales, administration	Computer applications	Other
Postsecondary teachers-computer/ mathematical sciences	3,500	2,000	3,500	2,000	1,000	1,000
<30	1,000	500	1,000	500	*	D
30–39	2,000	2,000	2,000	500	D	S
40–49	1,500	1,000	1,500	500	S	D
50–59	1,500	1,000	1,500	1,000	1,000	500
60–75	2,000	500	2,000	1,500	D	D
Physical/related scientists	4,000	3,500	2,000	3,000	1,500	2,000
<30	1,500	1,000	500	500	500	500
30–39	2,000	2,000	1,000	1,500	500	1,000
40–49	3,000	2,000	1,500	2,500	1,000	1,500
50–59	2,500	2,000	1,500	2,000	500	1,500
60–75	1,500	1,000	1,500	1,000	D	500
Chemists, except biochemists	2,500	2,000	1,000	2,000	*	1,500
<30	500	500	*	*	D	500
30–39	1,500	1,500	D	1,000	D	1,000
40–49	1,500	1,500	D	1,500	D	1,000
50–59	1,500	1,000	D	1,000	D	1,000
60–75	1,000	500	D	1,000	D	500
Earth/atmospheric/ocean scientists	2,500	2,000	D	2,500	1,000	1,500
<30	1,000	500	D	500	500	500
30–39	1,000	1,000	D	1,000	500	500
40–49	2,000	1,500	D	1,500	S	1,500
50–59	1,500	1,500	D	1,500	D	1,000
60–75	500	500	D	500	D	D
Physicists/astronomers	1,000	1,000	D	500	500	500
<30	500	500	D	D	500	D
30–39	500	500	D	500	*	D
40–49	500	500	D	D	D	D
50–59	500	D	D	D	D	D
60–75	D	D	D	D	D	D
Postsecondary teachers-physical/ related sciences	2,000	1,500	2,000	1,000	S	*
<30	500	500	500	500	D	D
30–39	1,000	500	1,000	S	D	D
40–49	1,000	S	1,000	D	D	D
50–59	1,500	S	1,500	D	D	D
60–75	1,500	D	1,500	D	D	D
Other physical/related scientists	2,000	1,000	D	2,000	S	1,000
<30	500	500	D	500	D	D
30–39	1,000	500	D	500	D	500
40–49	1,500	1,000	D	1,500	D	500
50–59	1,000	500	D	500	D	D
60–75	D	D	D	D	D	D
Social/related scientists	9,500	6,000	4,500	6,500	2,000	6,500
<30	3,000	2,000	2,000	1,500	1,000	2,500
30–39	5,000	4,000	1,500	3,500	1,500	3,000
40–49	4,500	3,000	2,000	3,500	D	3,000
50–59	4,500	2,500	2,000	3,500	D	3,500
60–75	3,500	1,500	2,500	2,000	D	2,500

TABLE A-10. Standard errors for employed U.S. scientists and engineers, by highest degree, occupation, age, and primary/secondary work activity: 2008

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity: Research and development	Teaching	Management, sales, administration	Computer applications	Other
Economists	2,500	1,500	D	2,000	1,000	1,500
<30	1,000	1,000	D	500	S	500
30–39	1,500	1,500	D	1,500	*	1,000
40–49	2,000	500	D	1,500	D	1,500
50–59	500	D	D	500	D	D
60–75	1,000	D	D	S	D	500
Political/related scientists	2,500	1,500	D	2,000	D	2,000
<30	1,000	1,000	D	1,000	D	S
30–39	1,000	1,000	D	1,000	D	S
40–49	D	D	D	D	D	D
50–59	D	D	D	D	D	D
60–75	D	D	D	D	D	D
Postsecondary teachers-social/ related sciences	3,500	2,000	3,000	1,500	S	2,000
<30	1,500	500	1,500	500	D	D
30–39	1,500	1,000	1,500	500	D	*
40–49	2,000	1,500	1,500	1,000	D	1,000
50–59	1,500	1,000	1,500	500	D	D
60–75	1,500	1,500	1,500	1,000	D	1,000
Psychologists	6,000	3,000	3,000	3,500	D	5,500
<30	2,000	1,500	1,500	1,000	D	2,000
30–39	2,500	2,000	1,000	1,500	D	2,000
40–49	3,000	1,500	1,500	2,500	D	2,000
50–59	3,500	1,500	1,500	2,500	D	3,500
60–75	2,500	1,000	1,500	1,500	D	2,500
Sociologists/anthropologists	2,000	2,000	S	1,500	D	500
<30	1,000	1,000	D	500	D	D
30–39	1,000	1,000	D	1,000	D	D
40–49	500	S	D	D	D	D
50–59	S	S	D	S	D	D
60–75	500	500	D	D	D	D
Other social/related scientists	5,500	4,000	1,000	4,500	1,500	2,500
<30	1,500	1,500	D	1,000	D	S
30–39	3,500	2,500	D	3,000	1,000	2,000
40–49	3,000	2,500	D	2,500	D	1,500
50–59	2,500	2,000	D	2,000	D	1,500
60–75	1,500	D	D	1,500	D	D
Engineering occupations	10,000	8,000	2,500	9,000	3,500	4,500
<30	2,500	2,500	1,000	1,500	1,500	1,500
30–39	5,000	4,500	1,000	4,500	2,000	2,500
40–49	5,000	4,000	1,000	4,500	2,000	2,500
50–59	6,000	4,500	2,000	5,500	2,000	2,500
60–75	3,500	2,500	500	3,500	1,000	2,000
Aerospace/aeronautical/astronautical engineers	3,000	2,000	500	3,000	1,000	1,500
<30	500	500	*	500	500	*
30–39	1,500	1,500	D	1,500	500	500
40–49	1,500	1,500	D	1,500	500	1,000
50–59	1,500	1,000	D	1,500	1,000	500
60–75	1,500	1,000	D	1,500	D	1,500
Chemical engineers	2,500	2,000	D	2,000	1,000	1,000
<30	500	500	D	500	*	*

TABLE A-10. Standard errors for employed U.S. scientists and engineers, by highest degree, occupation, age, and primary/secondary work activity: 2008

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, administration	Computer applications	Other
30–39	1,000	1,000	D	1,000	500	500
40–49	1,500	1,000	D	1,000	D	500
50–59	1,500	1,500	D	1,500	D	1,000
60–75	1,000	1,000	D	1,000	D	500
Civil/architectural/sanitary engineers	4,500	3,000	*	4,000	1,500	2,500
<30	1,000	1,000	D	1,000	500	500
30–39	2,500	1,500	D	2,500	500	1,500
40–49	2,500	1,500	D	2,000	S	1,000
50–59	2,500	2,500	D	2,500	500	1,500
60–75	1,500	1,000	D	1,500	D	1,000
Electrical/computer hardware engineers	5,500	5,000	1,000	4,000	2,500	2,000
<30	1,500	1,500	D	1,000	1,500	1,000
30–39	3,000	3,000	D	2,000	2,000	1,000
40–49	3,500	2,500	D	2,500	1,500	1,500
50–59	2,500	2,500	D	2,000	1,000	1,000
60–75	1,500	1,000	D	1,000	500	500
Industrial engineers	3,000	2,500	D	2,500	500	1,500
<30	500	500	D	500	*	500
30–39	2,000	1,500	D	2,000	*	1,500
40–49	2,000	2,000	D	1,500	D	1,000
50–59	1,000	500	D	1,000	500	1,000
60–75	500	D	D	500	D	D
Mechanical engineers	4,500	4,000	500	4,000	1,000	1,500
<30	1,000	1,000	D	1,000	500	500
30–39	2,500	2,000	D	2,000	1,000	1,000
40–49	3,000	2,500	D	2,500	500	1,000
50–59	2,500	2,000	D	2,000	500	1,000
60–75	2,000	1,500	D	2,000	D	500
Postsecondary teachers-engineering	1,500	1,000	1,500	1,000	*	*
<30	1,000	500	500	*	*	D
30–39	500	500	500	*	D	D
40–49	1,000	S	1,000	D	D	D
50–59	500	D	500	D	D	D
60–75	500	D	500	D	D	D
Other engineers	5,500	3,500	S	5,000	1,500	2,500
<30	1,000	1,000	*	1,000	500	500
30–39	2,000	2,000	*	2,000	1,000	1,000
40–49	3,000	1,500	D	2,500	1,000	1,500
50–59	3,500	2,000	D	3,500	1,000	1,500
60–75	2,000	2,000	D	1,500	D	1,000
S&E-related occupations	27,500	13,000	19,000	21,500	7,000	17,000
<30	6,000	3,000	4,000	3,500	1,500	4,500
30–39	15,500	8,500	10,500	11,000	4,000	8,000
40–49	14,500	7,000	9,500	10,500	3,500	10,500
50–59	14,000	6,500	9,500	10,500	3,500	9,500
60–75	9,000	4,500	5,500	6,000	2,000	6,500
Health occupations	18,000	8,000	11,000	12,500	3,500	15,500
<30	4,500	2,500	2,500	2,500	500	4,500
30–39	9,500	5,000	5,000	7,000	S	8,000
40–49	10,500	4,000	6,500	6,500	1,500	9,500

TABLE A-10. Standard errors for employed U.S. scientists and engineers, by highest degree, occupation, age, and primary/secondary work activity: 2008

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity: Research and development	Teaching	Management, sales, administration	Computer applications	Other
50–59	10,000	4,500	7,000	7,000	1,500	8,500
60–75	6,000	3,000	3,500	4,500	1,500	5,500
S&E managers	11,500	4,500	1,500	11,500	3,500	4,000
<30	1,000	S	D	1,000	D	D
30–39	4,000	1,500	D	4,000	1,500	1,500
40–49	6,000	3,000	D	6,000	2,000	2,500
50–59	6,500	2,500	D	6,500	2,500	2,500
60–75	3,500	1,500	D	3,500	500	2,000
S&E precollege teachers	15,000	8,000	15,000	10,000	3,000	2,500
<30	3,000	1,500	3,000	2,500	1,000	S
30–39	9,000	5,500	9,500	5,500	S	1,500
40–49	8,000	4,000	7,500	5,500	2,000	2,000
50–59	7,000	3,000	7,000	4,500	2,000	1,500
60–75	4,000	2,000	4,000	3,000	D	1,500
S&E technicians/technologists	6,000	4,500	500	3,500	4,000	2,500
<30	1,500	1,500	D	1,000	1,000	1,000
30–39	4,000	3,000	D	2,000	3,000	1,000
40–49	3,000	2,000	D	2,000	2,500	1,500
50–59	2,500	2,000	D	2,000	1,500	1,500
60–75	2,000	1,500	D	1,500	1,000	1,500
Other S&E-related occupations	5,500	4,500	D	4,500	1,500	3,500
<30	500	*	D	500	S	500
30–39	3,000	2,500	D	2,500	D	2,000
40–49	3,000	2,000	D	2,500	D	2,500
50–59	2,500	2,500	D	2,500	D	2,500
60–75	2,500	2,000	D	1,500	D	1,000
Non-S&E occupations	43,500	18,000	21,500	37,500	8,000	24,000
<30	8,500	4,000	5,500	6,500	1,500	5,500
30–39	22,000	9,500	10,500	18,000	3,500	12,500
40–49	22,500	9,500	11,000	20,500	4,000	13,500
50–59	21,000	9,000	12,500	18,500	4,500	13,000
60–75	16,000	6,000	7,000	13,000	3,000	10,500
Arts/humanities/related occupations	8,000	4,000	3,500	6,500	2,000	5,000
<30	1,500	1,500	D	1,000	D	1,500
30–39	3,000	2,000	D	2,500	D	1,500
40–49	4,500	2,500	3,000	3,500	D	2,500
50–59	5,000	2,000	D	4,500	D	3,000
60–75	3,500	2,000	D	3,000	D	2,500
Management-related occupations	17,000	7,500	3,500	16,000	3,500	8,500
<30	2,500	1,500	500	2,500	1,000	1,500
30–39	8,500	4,000	1,000	8,500	1,500	3,500
40–49	10,000	4,000	2,000	9,500	2,000	5,500
50–59	9,500	4,500	2,000	9,000	2,500	5,000
60–75	7,000	2,500	2,000	6,500	1,500	4,500
Non-S&E managers	18,500	6,500	4,500	18,500	3,000	9,000
<30	2,000	1,500	1,000	2,000	*	1,000
30–39	8,500	2,500	2,000	8,500	1,500	4,500
40–49	11,000	3,500	2,500	11,000	2,000	5,500
50–59	9,500	3,500	3,000	9,500	2,000	4,500
60–75	7,000	1,500	2,000	7,000	S	4,500

TABLE A-10. Standard errors for employed U.S. scientists and engineers, by highest degree, occupation, age, and primary/secondary work activity: 2008

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity: Research and development	Teaching	Management, sales, administration	Computer applications	Other
Non-S&E postsecondary teachers	6,500	3,500	6,000	3,500	S	2,000
<30	2,500	1,000	2,500	S	S	D
30–39	4,000	2,500	4,000	2,000	D	1,500
40–49	3,000	1,500	2,500	2,500	D	D
50–59	3,500	1,500	3,000	2,000	D	1,500
60–75	2,000	1,500	2,000	1,000	D	500
Non-S&E precollege/other teachers	16,500	7,000	16,500	10,500	3,000	7,000
<30	4,500	2,500	4,000	2,500	D	1,500
30–39	8,500	3,500	8,500	5,500	S	3,500
40–49	8,000	3,500	8,000	5,000	D	3,000
50–59	9,500	4,500	9,500	6,500	2,500	4,500
60–75	5,000	2,500	5,000	3,000	D	1,500
Sales/marketing occupations	15,500	6,000	2,000	15,000	2,500	7,500
<30	2,500	1,000	D	2,500	D	1,500
30–39	7,500	4,000	500	7,500	1,500	4,000
40–49	8,000	3,000	1,500	7,500	2,000	3,500
50–59	7,500	2,500	S	7,000	1,000	3,000
60–75	7,000	2,500	D	6,500	D	3,500
Social services/related occupations	14,500	5,000	7,500	11,000	2,500	13,000
<30	5,000	2,000	2,500	3,500	D	4,500
30–39	8,000	3,000	4,000	6,000	S	7,500
40–49	8,000	2,500	4,000	5,500	D	7,000
50–59	8,000	3,000	4,500	6,500	1,500	7,500
60–75	5,500	2,000	3,000	4,000	D	5,000
Other non-S&E occupations	17,500	8,500	8,000	15,000	3,500	11,000
<30	4,000	2,000	2,000	3,000	500	2,500
30–39	10,000	5,000	4,000	8,000	S	6,500
40–49	9,000	4,000	4,500	8,500	2,000	6,000
50–59	9,000	4,000	4,000	8,000	2,500	6,000
60–75	7,000	3,000	2,500	6,000	1,500	4,500
Doctoral degrees, all occupations	10,000	7,500	6,000	7,500	2,500	6,000
<30	2,000	2,000	1,000	1,000	1,000	1,500
30–39	5,000	4,000	3,000	3,000	1,500	3,000
40–49	5,000	4,000	3,000	4,000	2,000	2,500
50–59	6,500	4,000	3,000	5,500	1,000	3,500
60–75	4,500	3,000	3,500	3,500	1,000	3,000
S&E occupations	6,000	5,500	3,500	4,000	2,500	2,500
<30	2,000	2,000	1,000	1,000	1,000	500
30–39	3,500	3,000	2,000	2,500	1,500	2,000
40–49	3,000	3,000	1,500	2,000	1,500	1,000
50–59	3,000	2,500	2,000	2,000	1,000	1,500
60–75	3,000	2,000	2,000	1,500	1,000	1,500
Science occupations	6,000	5,000	3,500	3,500	2,500	2,500
<30	1,500	1,500	500	1,000	500	500
30–39	3,500	3,000	1,500	2,000	1,500	2,000
40–49	3,000	3,000	1,500	2,000	1,500	1,000
50–59	2,500	2,500	2,000	2,000	1,000	1,000
60–75	2,500	2,000	2,000	1,500	1,000	1,500
Biological/agricultural/other life scientists	3,500	3,500	1,500	2,500	500	1,000
<30	1,500	1,500	D	500	*	*
30–39	2,000	2,000	1,000	1,500	500	500

TABLE A-10. Standard errors for employed U.S. scientists and engineers, by highest degree, occupation, age, and primary/secondary work activity: 2008

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity: Research and development	Teaching	Management, sales, administration	Computer applications	Other
40–49	2,000	2,000	1,000	1,500	500	1,000
50–59	1,500	1,500	1,000	1,000	500	500
60–75	1,000	1,000	1,000	1,000	500	500
Agricultural/food scientists	1,000	1,000	*	500	*	500
<30	*	*	D	D	D	D
30–39	500	500	D	500	D	*
40–49	500	500	D	500	D	*
50–59	500	500	D	500	D	500
60–75	500	500	D	500	D	*
Biological/medical scientists	3,000	3,000	500	2,000	500	1,000
<30	1,500	1,500	D	500	*	*
30–39	2,000	2,000	500	1,500	500	500
40–49	1,500	1,500	*	1,500	500	500
50–59	1,500	1,500	500	1,000	*	500
60–75	1,000	1,000	500	500	500	500
Environmental life scientists	500	500	D	500	D	*
<30	D	D	D	D	D	D
30–39	*	*	D	*	D	D
40–49	*	*	D	*	D	*
50–59	500	*	D	*	D	D
60–75	*	*	D	D	D	D
Postsecondary teachers-life/related sciences	1,500	1,500	1,500	1,000	*	500
<30	D	D	D	D	D	D
30–39	1,000	1,000	1,000	500	D	500
40–49	1,000	1,000	1,000	500	D	500
50–59	1,000	1,000	1,000	500	D	500
60–75	1,000	1,000	1,000	500	D	*
Computer/mathematical scientists	3,000	2,500	1,500	2,000	2,000	1,500
<30	1,000	500	500	500	500	D
30–39	2,000	1,000	1,000	1,500	1,000	1,500
40–49	2,000	2,000	1,000	1,000	1,500	500
50–59	1,500	1,500	1,000	1,000	1,000	500
60–75	1,500	1,000	1,000	1,000	1,000	1,000
Computer/information scientists	2,500	2,000	500	1,500	2,000	1,500
<30	500	500	D	500	500	D
30–39	1,500	1,000	D	1,500	1,000	S
40–49	1,500	1,500	*	1,000	1,500	500
50–59	1,000	1,000	D	500	1,000	500
60–75	1,000	1,000	S	1,000	1,000	*
Mathematical scientists	1,500	1,000	*	1,000	1,000	1,000
<30	500	500	D	D	*	D
30–39	500	500	D	500	500	*
40–49	1,000	1,000	D	500	500	*
50–59	500	500	*	500	500	500
60–75	1,000	500	D	500	500	S
Postsecondary teachers-computer/ mathematical sciences	1,500	1,500	1,500	1,000	1,000	500
<30	500	500	500	D	D	D
30–39	1,000	500	1,000	500	S	*
40–49	1,000	1,000	1,000	500	*	*

TABLE A-10. Standard errors for employed U.S. scientists and engineers, by highest degree, occupation, age, and primary/secondary work activity: 2008

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, administration	Computer applications	Other
50–59	1,000	1,000	1,000	500	500	500
60–75	500	500	500	500	*	*
Physical/related scientists	2,000	2,000	1,500	1,500	1,000	1,000
<30	1,000	1,000	*	*	500	*
30–39	1,000	1,000	1,000	500	500	500
40–49	1,500	1,000	1,000	1,000	500	500
50–59	1,000	1,000	1,000	1,000	500	500
60–75	1,000	1,000	500	500	500	500
Chemists, except biochemists	1,500	1,500	500	1,000	500	500
<30	500	500	D	*	D	D
30–39	500	500	*	500	*	500
40–49	1,000	1,000	D	1,000	D	500
50–59	1,000	1,000	*	500	*	500
60–75	500	500	*	500	*	500
Earth/atmospheric/ocean scientists	1,000	1,000	*	500	500	500
<30	500	500	D	D	D	D
30–39	500	500	D	500	500	*
40–49	500	500	D	500	500	*
50–59	500	500	*	500	500	500
60–75	500	500	D	500	*	*
Physicists/astronomers	1,000	1,000	*	500	500	500
<30	500	500	D	D	*	D
30–39	500	500	D	500	500	*
40–49	500	500	D	500	500	*
50–59	500	500	*	500	500	*
60–75	500	500	D	500	500	*
Postsecondary teachers-physical/ related sciences	1,500	1,000	1,500	500	*	500
<30	*	*	*	D	D	D
30–39	1,000	1,000	1,000	500	D	500
40–49	1,000	1,000	1,000	500	D	500
50–59	1,000	500	1,000	500	D	*
60–75	500	500	500	500	D	*
Other physical/related scientists	1,000	500	*	500	*	500
<30	500	500	D	D	D	D
30–39	500	500	D	*	D	*
40–49	500	500	D	*	D	*
50–59	500	500	D	*	D	*
60–75	500	500	D	500	D	*
Social/related scientists	3,000	2,500	2,500	2,000	500	2,000
<30	1,000	500	500	500	D	S
30–39	1,500	1,500	1,000	1,000	500	1,500
40–49	1,500	1,500	1,000	1,000	500	1,000
50–59	1,500	1,000	1,000	1,000	500	1,000
60–75	1,500	1,000	1,500	1,000	*	1,000
Economists	500	500	*	500	500	500
<30	*	*	D	D	D	D
30–39	500	500	D	500	*	500
40–49	500	500	D	500	*	500
50–59	500	500	D	500	*	500
60–75	500	500	D	500	*	500

TABLE A-10. Standard errors for employed U.S. scientists and engineers, by highest degree, occupation, age, and primary/secondary work activity: 2008

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity: Research and development	Teaching	Management, sales, administration	Computer applications	Other
Political/related scientists	500	500	*	500	D	*
<30	D	D	D	D	D	D
30–39	*	*	D	*	D	D
40–49	*	*	D	*	D	D
50–59	*	*	D	*	D	D
60–75	*	*	D	D	D	D
Postsecondary teachers-social/ related sciences	2,500	1,500	2,000	1,000	*	1,000
<30	500	500	500	D	D	D
30–39	1,000	1,000	1,000	500	D	500
40–49	1,000	1,000	1,000	1,000	D	500
50–59	1,500	1,000	1,000	1,000	D	500
60–75	1,500	1,000	1,500	500	D	500
Psychologists	2,000	1,500	500	1,500	500	1,500
<30	500	*	D	*	D	S
30–39	1,500	1,000	500	1,000	S	1,500
40–49	1,000	500	500	500	D	1,000
50–59	1,000	500	500	500	*	1,000
60–75	1,000	500	500	500	D	1,000
Sociologists/anthropologists	500	500	*	500	*	500
<30	D	D	D	D	D	D
30–39	500	500	D	500	D	*
40–49	500	500	D	500	D	*
50–59	500	500	D	500	D	*
60–75	500	500	D	*	D	*
Other social/related scientists	1,000	1,000	500	500	500	500
<30	D	D	D	D	D	D
30–39	500	500	D	500	*	*
40–49	500	500	D	500	*	*
50–59	500	500	*	500	D	500
60–75	500	500	D	*	D	*
Engineering occupations	2,500	2,500	1,500	1,500	1,000	1,000
<30	1,000	1,000	*	500	500	*
30–39	1,500	1,500	1,000	1,000	1,000	500
40–49	1,500	1,000	500	1,000	500	500
50–59	1,500	1,000	1,000	1,000	500	500
60–75	1,500	1,500	500	1,000	500	500
Aerospace/aeronautical/astronautical engineers	1,000	1,000	D	500	500	*
<30	*	*	D	D	D	D
30–39	500	500	D	*	*	*
40–49	500	500	D	500	*	D
50–59	500	500	D	500	*	D
60–75	500	500	D	*	*	D
Chemical engineers	1,000	1,000	D	500	500	500
<30	*	*	D	D	D	D
30–39	500	500	D	500	D	*
40–49	500	500	D	500	*	*
50–59	500	500	D	500	*	*
60–75	500	500	D	*	D	D
Civil/architectural/sanitary engineers	1,000	500	D	500	500	500
<30	*	*	D	D	D	D

TABLE A-10. Standard errors for employed U.S. scientists and engineers, by highest degree, occupation, age, and primary/secondary work activity: 2008

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, administration	Computer applications	Other
30–39	500	500	D	*	*	*
40–49	500	500	D	500	D	*
50–59	500	500	D	500	D	500
60–75	500	500	D	500	D	*
Electrical/computer hardware engineers	1,500	1,500	D	1,000	1,000	500
<30	500	500	D	D	500	D
30–39	1,000	1,000	D	500	500	*
40–49	1,000	500	D	500	500	*
50–59	500	500	D	500	500	500
60–75	1,000	1,000	D	500	500	500
Industrial engineers	500	500	D	500	D	*
<30	D	D	D	D	D	D
30–39	*	*	D	D	D	D
40–49	500	*	D	*	D	D
50–59	500	500	D	*	D	D
60–75	*	*	D	D	D	D
Mechanical engineers	1,000	1,000	*	500	500	500
<30	500	500	D	D	D	D
30–39	500	500	D	500	500	D
40–49	500	500	D	500	*	*
50–59	500	500	D	500	*	D
60–75	500	500	D	*	D	*
Postsecondary teachers-engineering	1,500	1,500	1,500	500	*	500
<30	*	*	*	D	D	D
30–39	1,000	1,000	1,000	*	D	D
40–49	500	500	500	500	D	*
50–59	1,000	500	1,000	500	D	*
60–75	500	500	500	500	*	*
Other engineers	1,500	1,500	500	1,000	500	500
<30	500	500	D	*	D	D
30–39	1,000	1,000	D	1,000	500	500
40–49	1,000	1,000	D	500	*	500
50–59	500	500	*	500	*	500
60–75	500	500	*	500	*	500
S&E-related occupations	4,500	3,000	3,000	3,000	1,000	3,000
<30	1,500	1,000	*	*	D	S
30–39	2,500	1,000	2,000	1,000	500	2,000
40–49	2,000	1,500	1,500	1,500	1,000	1,000
50–59	2,500	1,500	1,500	2,000	500	1,500
60–75	2,000	2,000	2,000	1,000	500	1,000
Health occupations	3,500	2,500	2,000	2,000	500	2,500
<30	1,500	S	*	*	D	S
30–39	1,500	1,000	1,000	1,000	D	1,500
40–49	1,500	1,500	1,000	1,500	D	1,000
50–59	2,000	1,000	1,500	1,500	*	1,500
60–75	1,000	1,000	500	500	*	1,000
S&E managers	1,500	1,000	*	1,500	500	500
<30	*	*	D	*	D	D
30–39	500	500	D	500	*	500
40–49	1,000	1,000	D	1,000	*	500

TABLE A-10. Standard errors for employed U.S. scientists and engineers, by highest degree, occupation, age, and primary/secondary work activity: 2008

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity: Research and development	Teaching	Management, sales, administration	Computer applications	Other
50–59	1,000	1,000	D	1,000	*	500
60–75	1,000	500	*	1,000	*	500
S&E precollege teachers	3,000	2,000	3,000	1,000	*	S
<30	D	D	D	D	D	D
30–39	2,000	D	2,000	S	D	D
40–49	1,000	S	1,000	500	D	*
50–59	1,000	500	1,000	500	D	*
60–75	2,000	D	2,000	1,000	D	D
S&E technicians/technologists	1,000	1,000	D	500	500	500
<30	*	*	D	D	D	D
30–39	500	500	D	*	*	*
40–49	500	500	D	*	500	D
50–59	500	500	D	500	*	*
60–75	500	*	D	*	D	D
Other S&E-related occupations	500	*	D	*	*	*
<30	D	D	D	D	D	D
30–39	D	D	D	D	D	D
40–49	*	D	D	D	D	D
50–59	D	D	D	D	D	D
60–75	D	D	D	D	D	D
Non-S&E occupations	7,000	4,500	4,000	6,000	1,000	4,500
<30	500	500	500	500	D	500
30–39	2,500	2,500	2,000	2,000	500	1,000
40–49	3,500	2,000	2,000	3,000	1,000	2,000
50–59	5,000	3,000	2,500	4,500	500	3,000
60–75	3,500	1,500	2,500	2,500	500	3,000
Arts/humanities/related occupations	1,000	1,000	500	1,000	*	1,000
<30	D	D	D	D	D	D
30–39	1,000	S	*	500	D	1,000
40–49	500	500	D	500	D	500
50–59	500	500	*	500	D	500
60–75	1,000	1,000	S	500	D	500
Management-related occupations	3,500	3,000	500	3,000	500	2,500
<30	*	*	D	*	D	*
30–39	2,000	2,000	*	2,000	*	1,000
40–49	1,000	500	*	1,000	500	500
50–59	2,500	2,000	*	2,000	*	2,000
60–75	1,000	500	*	1,000	D	1,000
Non-S&E managers	4,000	2,000	1,000	4,000	500	1,500
<30	D	D	D	D	D	D
30–39	1,000	1,000	D	1,000	*	500
40–49	2,000	1,000	S	2,500	500	1,500
50–59	3,000	1,500	500	3,000	*	1,000
60–75	2,000	1,000	S	2,000	*	1,000
Non-S&E postsecondary teachers	3,500	3,000	3,500	2,000	*	2,000
<30	*	*	*	D	D	D
30–39	2,000	2,000	2,000	500	D	500
40–49	2,000	1,500	2,000	1,000	D	500
50–59	2,000	1,500	2,000	1,500	D	500
60–75	2,000	1,000	2,000	1,000	D	S

TABLE A-10. Standard errors for employed U.S. scientists and engineers, by highest degree, occupation, age, and primary/secondary work activity: 2008

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, administration	Computer applications	Other
Non-S&E precollege/other teachers	2,000	1,500	2,000	1,500	D	*
<30	D	D	D	D	D	D
30–39	*	D	*	*	D	D
40–49	500	D	500	D	D	D
50–59	1,500	S	1,500	S	D	*
60–75	1,500	S	S	D	D	D
Sales/marketing occupations	2,000	1,000	*	2,000	500	1,500
<30	*	D	D	D	D	D
30–39	500	500	D	500	*	*
40–49	1,000	500	D	1,000	D	*
50–59	1,500	500	D	1,500	D	S
60–75	1,000	500	D	1,000	D	500
Social services/related occupations	2,500	500	2,000	2,000	D	2,000
<30	D	D	D	D	D	D
30–39	S	D	S	S	D	*
40–49	1,000	*	*	500	D	1,000
50–59	2,000	500	1,500	1,500	D	1,500
60–75	1,500	*	S	1,000	D	1,500
Other non-S&E occupations	2,000	1,500	1,000	1,500	*	2,000
<30	S	D	D	D	D	*
30–39	1,000	500	*	500	D	500
40–49	1,500	1,000	S	1,500	D	1,500
50–59	1,500	500	500	500	D	1,500
60–75	1,000	1,000	500	1,000	D	1,000

* = standard error is not computed when value < 500. 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/occ03maj.html for detailed description of occupational 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.

TABLE A-11. Standard errors for employed U.S. scientists and engineers, by level of highest degree, occupation, ethnicity, race, and years since degree: 2008

Highest degree, occupation, ethnicity, and race[a]	Employed scientists and engineers	Years since highest degree							
		<5 years	5–9 years	10–14 years	15–19 years	20–24 years	25–29 years	30–34 years	35+ years
All degree levels and occupations[b]	81,000	25,500	37,500	42,500	39,500	36,500	34,500	30,000	33,000
Hispanic or Latino	20,500	8,500	8,500	10,500	8,500	8,000	8,000	6,000	4,000
Not Hispanic or Latino									
American Indian or Alaska Native	6,500	2,000	2,500	3,000	3,500	2,500	2,500	1,500	1,500
Asian	21,500	10,000	10,000	11,000	11,500	10,500	10,000	7,000	7,000
Black or African American	20,000	8,500	10,000	11,000	9,000	8,000	7,500	6,000	5,500
White	75,000	21,500	33,000	36,500	36,000	32,000	31,500	29,500	32,000
Other	12,500	6,000	5,500	6,500	5,500	4,500	3,500	4,000	3,000
S&E occupations	45,000	12,500	14,500	16,500	15,000	15,500	13,500	11,000	10,000
Hispanic or Latino	8,500	4,000	3,000	5,000	3,500	2,500	2,500	1,500	1,500
Not Hispanic or Latino									
American Indian or Alaska Native	3,000	500	1,000	1,500	1,500	2,000	500	500	*
Asian	13,000	6,000	6,000	6,000	6,000	4,000	3,000	3,000	2,500
Black or African American	7,500	3,500	4,000	2,500	3,500	3,000	3,000	2,000	1,500
White	38,000	10,000	12,500	14,000	12,500	14,500	11,500	10,000	9,500
Other	5,500	3,000	2,500	2,500	2,000	2,000	2,000	1,000	1,500
Science occupations	36,000	12,000	12,500	14,000	13,500	13,000	10,500	9,000	7,500
Hispanic or Latino	7,000	4,000	2,500	3,500	3,500	2,000	2,000	1,000	1,000
Not Hispanic or Latino									
American Indian or Alaska Native	3,000	500	500	1,500	1,500	S	*	D	D
Asian	11,500	5,500	5,500	5,500	5,000	4,000	2,500	2,000	2,500
Black or African American	6,500	3,000	3,500	2,500	3,500	2,500	2,500	1,500	1,500
White	31,000	10,000	11,000	12,000	11,000	12,000	9,000	8,500	7,500
Other	4,500	2,500	2,500	2,000	1,500	1,500	1,500	500	1,000
Biological/agricultural/other life scientists	12,500	5,500	5,000	5,000	4,500	4,500	4,500	4,000	3,000
Hispanic or Latino	3,000	2,500	1,000	1,000	1,500	1,000	1,000	*	1,000
Not Hispanic or Latino									
American Indian or Alaska Native	2,000	D	*	*	D	D	D	D	D
Asian	4,500	2,500	2,500	2,000	1,500	2,000	1,000	1,000	1,000
Black or African American	2,500	1,000	1,500	1,000	1,000	S	S	500	S
White	11,500	4,500	4,500	4,500	4,000	4,500	4,000	3,500	3,000
Other	1,500	1,000	1,500	500	*	*	*	*	D
Agricultural/food scientists	5,500	2,000	2,000	2,000	2,000	2,500	2,500	2,500	2,000
Hispanic or Latino	2,000	S	S	D	S	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	1,000	500	500	*	D	S	S	*	D
Black or African American	500	*	*	*	D	D	D	D	D
White	5,000	1,500	2,000	2,000	1,500	2,500	2,500	2,500	2,000
Other	S	D	D	D	D	D	D	D	D
Biological/medical scientists	10,000	5,000	4,500	4,500	3,500	3,500	3,000	3,000	2,000
Hispanic or Latino	2,500	2,000	1,000	1,000	500	S	1,000	*	1,000
Not Hispanic or Latino									
American Indian or Alaska Native	S	D	*	D	D	D	D	D	D
Asian	4,000	2,000	2,000	2,000	1,500	2,000	1,000	1,000	1,000
Black or African American	2,000	1,000	1,000	S	1,000	*	S	*	D
White	8,500	4,000	3,500	4,000	3,500	3,000	3,000	2,500	1,500
Other	1,500	500	1,500	500	*	D	D	D	D
Environmental life scientists	4,000	1,500	1,500	1,000	1,500	1,500	2,000	1,500	2,000
Hispanic or Latino	S	D	*	D	D	D	D	D	D

TABLE A-11. Standard errors for employed U.S. scientists and engineers, by level of highest degree, occupation, ethnicity, race, and years since degree: 2008

Highest degree, occupation, ethnicity, and race[a]	Employed scientists and engineers	Years since highest degree							
		<5 years	5–9 years	10–14 years	15–19 years	20–24 years	25–29 years	30–34 years	35+ years
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	500	500	D	D	D	D	D	D	D
Black or African American	S	D	D	D	D	D	D	D	D
White	4,000	1,500	1,500	1,000	1,500	1,000	2,000	1,500	2,000
Other	*	D	D	D	D	D	D	D	D
Postsecondary teachers-life/related sciences	4,500	2,000	2,000	1,500	2,000	2,000	1,500	500	1,000
Hispanic or Latino	1,000	500	500	500	S	*	D	*	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	1,500	1,000	S	500	500	500	*	*	*
Black or African American	1,000	*	*	S	*	*	D	*	D
White	4,000	2,000	1,500	1,500	2,000	1,500	1,500	500	1,000
Other	500	*	D	D	D	D	*	D	D
Computer/mathematical scientists	26,000	8,000	10,000	12,000	11,500	10,000	8,000	7,500	5,500
Hispanic or Latino	5,000	3,000	2,000	3,000	3,000	1,500	1,500	1,000	1,000
Not Hispanic or Latino									
American Indian or Alaska Native	2,000	S	500	S	S	D	D	D	D
Asian	10,000	5,000	4,500	4,500	5,000	4,000	2,000	1,500	1,500
Black or African American	6,000	2,500	3,000	2,000	3,000	2,000	2,000	1,500	1,000
White	23,500	7,000	9,000	9,500	9,500	9,500	7,000	6,500	5,500
Other	4,000	2,000	1,500	1,500	1,500	1,500	1,000	500	S
Computer/information scientists	24,500	7,500	9,500	11,500	11,000	9,500	8,000	7,000	5,000
Hispanic or Latino	5,000	2,500	2,000	3,000	3,000	1,500	1,000	1,000	1,000
Not Hispanic or Latino									
American Indian or Alaska Native	1,500	S	S	S	D	D	D	D	D
Asian	10,000	4,500	4,500	4,500	5,000	3,500	2,000	1,500	1,500
Black or African American	5,500	2,500	3,000	2,000	3,000	2,000	2,000	1,500	1,000
White	21,500	6,500	8,500	9,500	9,000	9,000	7,000	6,500	5,000
Other	4,000	2,000	1,500	1,500	1,500	1,500	1,000	500	S
Mathematical scientists	7,000	2,500	3,000	3,000	3,500	3,000	1,500	2,000	2,000
Hispanic or Latino	1,500	1,000	500	*	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	2,500	1,500	1,500	500	500	500	500	S	500
Black or African American	2,000	1,000	S	S	S	D	D	D	D
White	6,000	2,000	2,500	3,000	2,500	2,500	1,500	1,500	2,000
Other	500	S	D	D	D	D	D	D	D
Postsecondary teachers-computer/ mathematical sciences	5,000	2,500	1,500	2,000	1,500	1,500	1,500	1,500	1,500
Hispanic or Latino	1,500	500	500	*	*	*	S	D	S
Not Hispanic or Latino									
American Indian or Alaska Native	*	D	D	D	D	D	D	D	D
Asian	1,500	1,000	1,000	1,000	500	500	500	*	*
Black or African American	1,000	500	*	*	*	S	S	D	*
White	4,500	2,500	1,500	2,000	1,000	1,500	1,000	1,500	1,500
Other	500	*	D	D	D	D	D	D	D
Physical/related scientists	9,000	3,000	3,000	4,500	2,500	3,500	2,500	3,000	3,500
Hispanic or Latino	2,000	1,000	1,000	1,500	500	1,000	S	*	*
Not Hispanic or Latino									
American Indian or Alaska Native	500	*	*	D	D	D	D	D	D
Asian	3,000	1,000	1,500	1,500	1,000	500	1,000	500	2,000

TABLE A-11. Standard errors for employed U.S. scientists and engineers, by level of highest degree, occupation, ethnicity, race, and years since degree: 2008

Highest degree, occupation, ethnicity, and race[a]	Employed scientists and engineers	Years since highest degree							
		<5 years	5–9 years	10–14 years	15–19 years	20–24 years	25–29 years	30–34 years	35+ years
Black or African American	1,500	500	500	500	500	500	*	500	S
White	8,000	2,500	2,500	4,000	2,000	3,500	2,500	3,000	2,500
Other	1,500	1,000	500	*	500	D	S	*	*
Chemists, except biochemists	6,000	2,000	2,000	3,500	2,000	2,000	2,000	2,000	2,000
Hispanic or Latino	1,500	500	500	S	*	1,000	S	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	*	D	D	D	D	D	D	D	D
Asian	3,000	1,000	1,500	1,500	1,000	500	1,000	500	1,500
Black or African American	1,000	500	500	*	S	S	D	S	D
White	5,000	1,500	1,500	3,000	1,500	2,000	2,000	2,000	1,500
Other	1,000	500	500	D	D	D	D	D	D
Earth/atmospheric/ocean scientists	4,500	1,500	1,500	2,000	1,500	2,000	1,500	2,000	1,500
Hispanic or Latino	1,000	500	500	*	500	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	*	*	D	D	D	D	D	D	D
Asian	1,000	500	500	*	*	*	*	D	500
Black or African American	500	*	D	D	D	D	D	D	D
White	4,000	1,000	1,500	2,000	1,500	2,000	1,500	2,000	1,500
Other	1,000	S	*	D	D	D	D	D	D
Physicists/astronomers	1,500	1,000	1,000	500	500	500	500	500	1,000
Hispanic or Latino	500	*	*	*	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	1,000	500	500	*	*	*	500	D	S
Black or African American	500	*	D	D	D	D	D	D	D
White	1,500	1,000	1,000	500	500	500	500	500	500
Other	*	*	D	D	D	D	D	D	D
Postsecondary teachers-physical/ related sciences	3,000	1,500	1,500	1,000	1,000	1,500	500	500	1,500
Hispanic or Latino	500	500	*	*	*	*	*	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	1,000	500	500	S	500	*	*	*	*
Black or African American	500	*	*	*	*	D	D	*	D
White	2,500	1,000	1,500	1,000	1,000	1,500	500	500	1,500
Other	500	500	*	D	*	D	D	D	D
Other physical/related scientists	4,000	1,000	1,500	1,500	1,500	1,500	1,000	2,000	1,500
Hispanic or Latino	1,000	500	*	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	1,000	500	D	*	D	D	D	D	D
Black or African American	1,000	*	*	D	D	D	D	D	D
White	3,500	1,000	1,500	1,500	1,500	1,500	1,000	2,000	1,500
Other	*	D	D	D	D	D	D	D	D
Social/related scientists	13,000	5,500	4,500	5,000	5,500	4,500	3,500	4,500	3,000
Hispanic or Latino	2,500	1,500	1,000	1,000	1,000	1,000	500	500	500
Not Hispanic or Latino									
American Indian or Alaska Native	1,500	500	500	S	S	*	D	D	D
Asian	3,000	1,500	1,500	1,500	1,500	1,000	S	*	S
Black or African American	3,000	1,000	1,000	1,000	2,000	1,000	1,000	500	*
White	11,500	5,000	4,500	4,500	5,000	4,000	3,500	4,500	3,000
Other	2,000	1,500	1,000	1,000	*	*	S	*	*

TABLE A-11. Standard errors for employed U.S. scientists and engineers, by level of highest degree, occupation, ethnicity, race, and years since degree: 2008

Highest degree, occupation, ethnicity, and race[a]	Employed scientists and engineers	Years since highest degree							
		<5 years	5–9 years	10–14 years	15–19 years	20–24 years	25–29 years	30–34 years	35+ years
Economists	2,500	1,500	1,000	1,500	1,500	1,000	500	500	1,000
Hispanic or Latino	500	500	*	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	1,000	500	500	*	*	*	D	D	D
Black or African American	1,000	S	*	D	D	D	D	D	D
White	2,500	1,000	1,000	1,500	1,500	1,000	500	500	1,000
Other	S	S	D	D	D	D	D	D	D
Political/related scientists	3,000	1,500	1,500	S	S	D	*	S	S
Hispanic or Latino	S	*	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	S	D	D	D	D	D	D	D	D
Black or African American	*	*	D	D	D	D	D	D	D
White	3,000	1,500	1,500	S	S	D	*	S	S
Other	*	D	D	D	D	D	D	D	D
Postsecondary teachers-social/ related sciences	5,000	2,500	2,500	2,000	1,500	1,000	2,000	1,500	1,500
Hispanic or Latino	1,000	500	500	*	500	S	D	*	D
Not Hispanic or Latino									
American Indian or Alaska Native	S	D	*	*	D	D	D	D	D
Asian	1,000	1,000	500	500	1,000	*	*	*	D
Black or African American	1,000	500	500	500	500	*	*	S	D
White	4,500	2,500	2,000	1,500	1,000	1,000	1,500	1,000	1,500
Other	2,000	500	S	*	D	*	D	*	D
Psychologists	7,000	3,500	2,500	2,500	3,000	2,500	3,000	2,500	1,500
Hispanic or Latino	1,500	1,000	1,000	500	1,000	1,000	*	*	D
Not Hispanic or Latino									
American Indian or Alaska Native	500	D	*	D	*	D	D	D	D
Asian	1,500	1,000	1,000	S	*	*	D	D	D
Black or African American	1,500	500	500	500	*	S	500	*	D
White	6,500	3,500	2,500	2,500	2,500	2,500	2,500	2,500	1,500
Other	1,000	1,000	*	500	D	D	*	D	D
Sociologists/anthropologists	2,500	2,000	1,000	1,000	1,500	500	500	500	*
Hispanic or Latino	1,000	1,000	*	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	500	*	D	D	D	D	D	D	D
Black or African American	500	500	*	D	D	D	D	D	D
White	2,500	1,500	1,000	1,000	S	500	500	500	*
Other	500	*	D	D	D	D	D	D	D
Other social/related scientists	8,500	3,500	3,500	3,500	4,000	3,500	1,500	3,500	2,000
Hispanic or Latino	1,500	1,000	500	S	D	S	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	2,000	1,000	1,000	1,000	1,500	D	D	*	D
Black or African American	2,000	500	S	D	S	D	D	D	D
White	8,500	3,000	3,000	3,500	3,500	3,500	1,500	3,500	2,000
Other	1,000	500	D	D	D	D	D	D	D
Engineering occupations	20,500	5,500	7,500	8,500	8,000	7,500	8,000	6,500	6,500
Hispanic or Latino	4,500	2,000	1,500	3,000	1,500	1,500	2,000	1,000	1,000

TABLE A-11. Standard errors for employed U.S. scientists and engineers, by level of highest degree, occupation, ethnicity, race, and years since degree: 2008

Highest degree, occupation, ethnicity, and race[a]	Employed scientists and engineers	Years since highest degree							
		<5 years	5–9 years	10–14 years	15–19 years	20–24 years	25–29 years	30–34 years	35+ years
Not Hispanic or Latino									
American Indian or Alaska Native	1,000	500	*	S	500	D	D	D	D
Asian	7,000	3,500	3,000	3,500	3,000	2,500	2,000	2,000	1,500
Black or African American	3,500	1,500	2,000	1,500	1,500	2,000	2,000	1,000	S
White	19,000	4,500	6,500	7,500	7,000	7,000	7,500	6,000	6,000
Other	3,500	1,500	1,000	2,000	1,000	1,500	500	500	1,000
Aerospace/aeronautical/astronautical engineers	5,000	1,500	1,500	2,500	2,000	2,000	2,000	1,000	2,500
Hispanic or Latino	1,500	1,000	500	S	D	500	500	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	500	D	D	D	D	D	D	D	D
Asian	1,000	500	500	500	500	500	*	500	500
Black or African American	1,000	*	*	D	D	D	D	D	D
White	4,500	1,000	1,500	2,000	2,000	1,500	2,000	1,000	2,500
Other	1,000	500	*	D	D	S	D	D	D
Chemical engineers	4,500	1,000	1,500	2,000	2,500	2,000	1,500	2,000	1,000
Hispanic or Latino	1,000	500	*	D	S	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	*	D	D	D	D	D	D	D	D
Asian	1,500	500	500	1,000	500	1,000	500	1,000	S
Black or African American	1,000	500	S	D	D	D	D	D	D
White	4,000	1,000	1,000	2,000	2,000	1,500	1,500	2,000	1,000
Other	1,000	*	D	D	D	D	D	D	D
Civil/architectural/sanitary engineers	7,500	2,000	3,000	4,000	2,500	3,500	2,500	3,000	3,000
Hispanic or Latino	2,500	500	1,000	2,000	500	500	1,000	500	1,000
Not Hispanic or Latino									
American Indian or Alaska Native	500	*	D	D	D	D	D	D	D
Asian	2,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Black or African American	1,500	500	500	1,000	500	500	D	D	D
White	7,000	1,500	2,500	3,500	2,500	3,500	2,500	3,000	2,500
Other	1,500	500	500	1,000	D	D	D	500	D
Electrical/computer hardware engineers	8,500	3,000	3,500	4,000	4,000	3,500	4,000	3,000	2,500
Hispanic or Latino	2,500	1,000	1,000	1,500	1,000	1,000	500	S	D
Not Hispanic or Latino									
American Indian or Alaska Native	500	D	D	D	D	D	D	D	D
Asian	4,500	2,500	2,000	2,500	2,000	2,000	1,000	1,500	1,000
Black or African American	2,000	500	500	1,000	1,000	1,500	S	500	D
White	7,500	2,500	3,000	3,000	3,500	3,000	3,500	2,500	2,000
Other	1,500	1,000	1,000	1,000	D	S	D	D	D
Industrial engineers	5,500	1,500	2,500	3,000	2,500	2,500	1,500	2,000	1,500
Hispanic or Latino	1,500	500	1,000	1,000	1,000	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	2,500	1,000	1,500	1,500	S	1,000	D	D	D
Black or African American	1,000	500	*	500	D	D	D	D	D
White	5,000	1,500	2,000	2,000	2,000	2,000	1,500	2,000	1,500
Other	1,500	*	D	D	D	D	D	D	D
Mechanical engineers	8,500	3,000	3,000	3,500	4,000	3,500	3,500	2,500	3,000
Hispanic or Latino	1,500	500	500	1,000	500	500	500	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	500	*	D	D	D	D	D	D	D
Asian	2,500	1,500	1,500	1,000	1,000	1,000	1,000	500	500
Black or African American	2,000	1,000	500	D	1,000	D	S	D	D

TABLE A-11. Standard errors for employed U.S. scientists and engineers, by level of highest degree, occupation, ethnicity, race, and years since degree: 2008

Highest degree, occupation, ethnicity, and race[a]	Employed scientists and engineers	Years since highest degree							
		<5 years	5–9 years	10–14 years	15–19 years	20–24 years	25–29 years	30–34 years	35+ years
White	8,000	2,500	3,000	3,000	3,500	3,500	2,500	2,500	3,000
Other	1,000	1,000	500	500	D	D	D	D	D
Postsecondary teachers-engineering	2,000	1,500	1,000	1,000	1,000	1,000	500	500	1,000
Hispanic or Latino	500	*	*	*	*	*	*	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	1,000	1,000	500	500	500	*	*	500	*
Black or African American	1,000	S	500	*	*	D	D	*	D
White	2,000	1,000	1,000	500	500	1,000	500	500	1,000
Other	*	*	D	D	D	D	D	D	D
Other engineers	11,000	2,500	4,000	4,500	4,000	3,500	5,000	3,500	4,000
Hispanic or Latino	2,000	500	500	1,000	1,000	500	1,500	D	500
Not Hispanic or Latino									
American Indian or Alaska Native	*	D	D	D	D	D	D	D	D
Asian	2,500	1,500	1,500	1,500	1,000	1,000	1,500	500	500
Black or African American	2,000	500	1,500	500	500	S	D	D	D
White	10,000	2,500	3,500	4,000	4,000	3,500	4,500	3,000	4,000
Other	1,000	500	500	D	500	*	*	D	D
S&E-related occupations	50,000	16,500	21,000	25,500	23,000	20,500	18,500	16,000	16,500
Hispanic or Latino	10,500	4,000	4,000	5,000	5,000	5,500	4,000	3,500	2,500
Not Hispanic or Latino									
American Indian or Alaska Native	4,000	1,000	1,500	S	2,000	1,500	2,000	S	D
Asian	15,000	6,000	6,500	6,000	6,000	5,500	6,500	4,000	4,500
Black or African American	11,500	4,500	5,500	5,500	5,000	4,500	4,500	3,000	2,500
White	43,500	14,000	19,000	22,500	22,000	19,500	16,000	14,500	15,000
Other	7,500	3,000	3,500	4,500	2,500	2,500	2,000	2,500	2,000
Health occupations	40,500	13,500	17,000	20,500	18,500	17,000	16,500	13,000	13,500
Hispanic or Latino	9,000	3,000	3,500	4,000	4,000	4,500	3,500	3,000	2,500
Not Hispanic or Latino									
American Indian or Alaska Native	3,000	1,000	1,500	D	2,000	S	1,000	D	D
Asian	13,000	5,500	6,000	4,500	5,500	5,000	6,000	4,000	4,000
Black or African American	10,500	4,000	4,500	5,000	4,000	4,500	4,000	2,500	2,500
White	35,000	12,000	15,000	18,500	17,000	15,500	13,500	11,500	12,500
Other	6,500	2,500	3,000	3,500	2,500	1,500	1,500	2,500	1,500
S&E managers	17,000	3,500	5,000	7,000	7,500	7,000	6,000	5,000	4,500
Hispanic or Latino	3,500	2,000	1,000	1,500	2,000	1,500	1,000	S	D
Not Hispanic or Latino									
American Indian or Alaska Native	1,500	D	D	D	D	D	D	D	D
Asian	3,500	1,500	1,000	2,000	2,000	1,500	1,500	500	1,000
Black or African American	3,500	1,000	2,000	1,500	1,500	1,000	1,500	1,500	D
White	15,500	3,000	4,500	6,500	6,500	6,500	6,000	5,000	4,000
Other	2,500	500	D	S	S	S	D	D	S
S&E precollege teachers	20,000	8,000	9,000	7,500	7,500	6,500	6,000	6,000	4,500
Hispanic or Latino	4,000	2,000	1,500	2,000	1,500	2,000	1,000	1,000	D
Not Hispanic or Latino									
American Indian or Alaska Native	1,000	*	500	D	D	D	D	D	D
Asian	3,000	1,500	1,500	1,000	S	D	S	D	D
Black or African American	4,000	1,500	2,000	2,000	2,000	1,000	1,500	1,500	1,500
White	19,000	7,500	8,500	7,000	7,500	6,500	5,500	6,000	4,500
Other	2,500	1,500	S	D	D	D	D	D	D
S&E technicians/technologists	14,500	5,000	5,500	6,000	5,000	7,500	5,000	4,000	3,500
Hispanic or Latino	3,000	1,500	1,000	2,000	1,000	1,500	1,000	D	D

TABLE A-11. Standard errors for employed U.S. scientists and engineers, by level of highest degree, occupation, ethnicity, race, and years since degree: 2008

Highest degree, occupation, ethnicity, and race[a]	Employed scientists and engineers	Years since highest degree							
		<5 years	5–9 years	10–14 years	15–19 years	20–24 years	25–29 years	30–34 years	35+ years
Not Hispanic or Latino									
American Indian or Alaska Native	S	D	D	D	D	D	D	D	D
Asian	5,000	2,000	2,500	2,500	1,500	2,000	1,500	1,000	1,500
Black or African American	2,000	1,000	500	1,000	1,500	1,000	1,000	1,000	D
White	12,000	4,500	4,500	5,500	5,000	6,500	4,500	3,500	3,500
Other	2,500	1,000	1,500	1,000	500	D	D	D	D
Other S&E-related occupations	10,000	2,000	2,500	5,500	4,500	4,500	4,000	3,500	4,000
Hispanic or Latino	2,500	S	1,000	1,500	D	1,000	S	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	3,000	1,000	1,500	1,500	1,000	1,500	1,500	1,000	D
Black or African American	2,000	*	D	D	1,500	1,000	D	D	D
White	9,500	1,500	2,000	5,000	4,000	4,000	3,500	3,500	4,000
Other	1,500	D	D	D	D	D	D	D	D
Non-S&E occupations	81,000	22,000	27,500	34,000	31,000	29,000	26,500	25,500	25,000
Hispanic or Latino	16,000	6,000	7,000	8,000	6,500	6,000	6,000	4,500	3,000
Not Hispanic or Latino									
American Indian or Alaska Native	4,500	2,000	2,000	2,500	2,500	1,500	S	1,500	S
Asian	15,000	6,500	6,500	7,500	7,000	6,000	6,500	5,500	6,000
Black or African American	16,500	7,000	7,500	8,500	6,500	6,000	6,500	5,500	4,500
White	74,000	19,000	23,500	31,000	28,500	26,000	25,500	24,500	24,000
Other	9,500	4,000	4,000	4,500	4,500	3,500	2,500	3,000	2,500
Arts/humanities/related occupations	14,500	4,000	5,000	6,500	6,500	5,000	5,000	5,500	5,000
Hispanic or Latino	3,500	1,000	1,000	1,500	D	S	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	S	D	D	D	D	D	D	D	D
Asian	3,000	2,000	1,500	S	1,500	D	D	S	D
Black or African American	2,500	1,000	1,500	1,000	D	D	D	D	D
White	14,000	3,500	4,000	6,500	6,000	5,000	5,000	5,500	5,000
Other	2,000	1,000	D	S	D	D	D	D	D
Management-related occupations	31,000	9,500	10,500	15,000	11,000	11,500	11,500	10,500	9,500
Hispanic or Latino	6,000	2,000	3,500	2,500	3,000	2,500	1,500	2,000	1,000
Not Hispanic or Latino									
American Indian or Alaska Native	2,000	D	D	D	D	D	D	1,000	D
Asian	7,500	3,500	3,500	4,000	3,500	2,500	3,500	2,000	2,500
Black or African American	7,500	3,000	2,500	4,000	3,000	3,000	3,000	3,000	2,500
White	28,500	7,500	9,500	13,500	10,000	10,500	10,000	9,000	9,000
Other	4,000	1,500	1,500	2,500	1,000	2,000	S	S	D
Non-S&E managers	28,500	6,500	8,000	13,000	11,000	12,500	11,500	11,000	9,500
Hispanic or Latino	5,500	2,000	2,500	3,000	3,000	2,000	2,000	2,000	1,000
Not Hispanic or Latino									
American Indian or Alaska Native	1,500	D	D	D	D	D	D	D	D
Asian	6,000	1,500	2,000	3,000	3,000	2,000	1,500	2,500	2,000
Black or African American	6,500	1,500	2,500	3,500	2,000	2,500	2,000	2,000	1,500
White	26,500	6,500	7,000	11,000	10,000	12,000	11,000	10,500	9,000
Other	3,000	500	S	1,500	2,000	1,500	S	D	S
Non-S&E postsecondary teachers	8,500	4,500	4,500	3,000	2,500	2,500	2,500	2,500	2,500
Hispanic or Latino	2,000	1,500	500	1,000	500	S	S	S	D
Not Hispanic or Latino									
American Indian or Alaska Native	*	D	D	D	D	D	D	D	D
Asian	2,000	1,000	1,000	500	1,000	S	*	D	D
Black or African American	2,000	1,000	1,000	S	*	*	D	S	500

TABLE A-11. Standard errors for employed U.S. scientists and engineers, by level of highest degree, occupation, ethnicity, race, and years since degree: 2008

Highest degree, occupation, ethnicity, and race[a]	Employed scientists and engineers	Years since highest degree							
		<5 years	5–9 years	10–14 years	15–19 years	20–24 years	25–29 years	30–34 years	35+ years
White	7,500	4,500	4,000	2,500	2,000	2,500	2,500	2,000	2,000
Other	1,000	1,000	D	D	D	D	D	D	D
Non-S&E precollege/other teachers	24,500	10,000	8,500	10,000	8,500	9,000	9,500	5,500	6,500
Hispanic or Latino	6,000	2,500	3,500	2,500	2,500	2,500	2,500	2,000	D
Not Hispanic or Latino									
American Indian or Alaska Native	1,000	S	D	D	D	D	D	D	D
Asian	4,500	2,000	1,000	1,500	3,000	S	2,000	D	D
Black or African American	6,500	2,500	3,000	3,500	2,000	2,500	2,000	1,500	2,000
White	22,000	9,000	7,500	9,500	8,000	8,500	8,500	5,500	6,500
Other	3,000	1,500	1,500	1,500	D	D	D	S	D
Sales/marketing occupations	33,000	7,500	10,500	13,000	13,000	13,500	11,000	11,000	12,500
Hispanic or Latino	5,500	2,500	2,000	3,500	2,500	2,000	1,500	1,500	1,000
Not Hispanic or Latino									
American Indian or Alaska Native	2,000	D	S	D	D	D	D	D	D
Asian	7,500	3,000	2,500	3,500	2,500	3,500	2,500	3,000	2,500
Black or African American	5,500	2,000	2,500	2,500	3,000	1,500	2,000	2,000	1,500
White	31,000	7,000	9,500	12,000	12,500	12,500	10,500	10,500	12,500
Other	4,500	2,000	2,000	2,000	S	S	D	D	1,000
Social services/related occupations	19,500	8,500	9,000	8,500	7,500	7,500	6,500	6,000	4,000
Hispanic or Latino	4,500	2,500	2,500	3,000	2,000	1,500	1,500	1,000	D
Not Hispanic or Latino									
American Indian or Alaska Native	1,500	S	500	D	D	D	D	D	D
Asian	3,500	2,500	1,500	1,500	1,500	D	S	D	S
Black or African American	6,500	3,500	3,500	3,500	2,500	2,500	1,500	1,500	S
White	17,500	7,000	7,500	8,000	6,500	7,000	6,000	5,500	4,000
Other	2,500	1,500	1,000	S	D	*	D	D	D
Other non-S&E occupations	46,000	14,000	15,000	17,500	16,500	16,500	16,500	16,000	16,000
Hispanic or Latino	9,000	3,500	3,500	4,500	3,500	4,000	3,500	2,500	2,000
Not Hispanic or Latino									
American Indian or Alaska Native	3,500	1,000	1,000	2,000	2,000	D	D	D	D
Asian	11,500	4,500	4,000	4,500	5,000	4,000	4,500	3,500	4,500
Black or African American	10,500	3,500	4,000	4,000	4,000	4,000	5,000	4,000	3,000
White	41,000	12,000	13,500	16,000	16,000	14,500	15,000	15,000	15,000
Other	6,000	3,000	3,000	2,500	2,500	2,000	S	2,500	1,500
Bachelor's degrees, all occupations	66,500	15,500	24,000	33,000	28,000	26,500	29,000	25,500	28,000
Hispanic or Latino	17,000	5,500	6,000	8,500	7,000	7,000	7,000	5,000	3,500
Not Hispanic or Latino									
American Indian or Alaska Native	5,500	1,000	2,000	2,500	3,000	2,000	2,500	1,500	S
Asian	17,000	6,500	6,500	8,500	9,000	8,500	9,000	6,500	6,000
Black or African American	17,000	5,500	7,000	8,000	7,000	7,000	6,500	5,500	4,500
White	61,500	13,500	21,500	27,500	26,000	23,000	26,000	24,000	27,000
Other	11,000	4,500	5,000	5,500	5,000	4,000	3,000	3,500	2,500
S&E occupations	33,000	8,500	10,500	12,500	13,500	13,000	11,000	9,500	8,500
Hispanic or Latino	7,000	2,500	2,500	4,500	3,500	2,000	2,500	1,500	1,500
Not Hispanic or Latino									
American Indian or Alaska Native	2,500	500	500	1,500	1,000	2,000	500	D	D
Asian	9,500	4,000	4,500	4,000	5,000	3,500	2,500	2,500	2,500
Black or African American	6,000	2,000	2,500	2,000	3,500	2,500	2,500	1,500	1,500
White	29,500	7,500	9,500	10,000	11,500	12,000	9,500	8,500	8,500
Other	5,000	2,500	2,500	2,500	1,500	1,500	1,000	1,000	1,000
Science occupations	26,000	8,000	9,500	11,500	11,500	11,000	8,500	8,000	6,500
Hispanic or Latino	5,500	2,500	2,000	3,500	3,000	2,000	1,500	1,000	1,000

TABLE A-11. Standard errors for employed U.S. scientists and engineers, by level of highest degree, occupation, ethnicity, race, and years since degree: 2008

Highest degree, occupation, ethnicity, and race[a]	Employed scientists and engineers	Years since highest degree							
		<5 years	5–9 years	10–14 years	15–19 years	20–24 years	25–29 years	30–34 years	35+ years
Not Hispanic or Latino									
American Indian or Alaska Native	2,500	S	500	S	S	S	D	D	D
Asian	8,500	4,000	4,000	4,000	4,000	3,500	1,500	1,500	2,000
Black or African American	5,500	2,000	2,000	2,000	3,500	2,000	2,000	1,500	1,000
White	24,000	7,000	8,500	9,000	9,500	10,500	7,500	7,000	6,500
Other	4,000	2,500	2,000	1,500	1,500	1,500	1,000	500	1,000
Biological/agricultural/other life scientists	10,000	4,000	4,500	3,500	3,500	4,000	3,500	3,500	3,000
Hispanic or Latino	2,000	1,000	1,000	D	D	D	500	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	S	D	D	D	D	D	D	D	D
Asian	3,000	1,500	2,000	D	D	2,000	S	S	1,000
Black or African American	2,000	1,000	S	D	D	D	D	D	D
White	9,000	3,500	4,000	3,500	3,000	3,500	3,500	3,000	3,000
Other	1,500	1,000	1,000	D	D	D	D	D	D
Agricultural/food scientists	5,000	1,500	2,000	2,000	1,500	2,000	2,500	2,000	2,000
Hispanic or Latino	S	*	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	S	D	D	D	D	D	D	D	D
Black or African American	*	*	D	D	D	D	D	D	D
White	4,500	1,500	1,500	S	S	2,000	2,500	2,000	2,000
Other	D	D	D	D	D	D	D	D	D
Biological/medical scientists	8,000	3,500	4,000	3,500	2,500	3,000	2,500	2,500	1,500
Hispanic or Latino	1,500	1,000	1,000	D	D	D	500	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	S	D	D	D	D	D	D	D	D
Asian	3,000	1,500	1,500	D	D	S	D	S	1,000
Black or African American	2,000	S	S	D	D	D	D	D	D
White	7,000	3,000	3,500	3,000	2,000	2,500	2,000	2,500	1,500
Other	1,000	500	1,000	D	D	D	D	D	D
Environmental life scientists	3,500	500	1,000	1,000	1,500	1,500	1,500	1,000	2,000
Hispanic or Latino	D	D	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	D	D	D	D	D	D	D	D	D
Black or African American	D	D	D	D	D	D	D	D	D
White	3,000	500	1,000	1,000	1,500	1,000	1,500	1,000	2,000
Other	D	D	D	D	D	D	D	D	D
Postsecondary teachers-life/ related sciences	3,000	1,500	1,500	D	D	D	D	D	D
Hispanic or Latino	S	S	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	D	D	D	D	D	D	D	D	D
Black or African American	D	D	D	D	D	D	D	D	D
White	2,500	1,500	1,500	D	D	D	D	D	D
Other	D	D	D	D	D	D	D	D	D
Computer/mathematical scientists	21,500	6,000	7,500	10,000	10,500	9,500	7,000	6,500	5,000
Hispanic or Latino	5,000	2,000	2,000	3,000	3,000	1,500	1,500	1,000	1,000
Not Hispanic or Latino									
American Indian or Alaska Native	1,500	D	D	S	D	D	D	D	D
Asian	8,000	3,500	3,500	4,000	4,000	3,000	1,500	1,500	1,000

TABLE A-11. Standard errors for employed U.S. scientists and engineers, by level of highest degree, occupation, ethnicity, race, and years since degree: 2008

Highest degree, occupation, ethnicity, and race[a]	Employed scientists and engineers	Years since highest degree							
		<5 years	5–9 years	10–14 years	15–19 years	20–24 years	25–29 years	30–34 years	35+ years
Black or African American	5,000	1,500	2,000	1,500	3,000	2,000	2,000	1,500	1,000
White	19,500	5,500	7,000	8,500	9,000	9,000	6,500	6,000	5,000
Other	3,500	2,000	1,500	1,500	1,500	1,500	1,000	D	S
Computer/information scientists	21,000	6,000	7,500	10,000	10,000	9,000	7,000	6,500	5,000
Hispanic or Latino	4,500	2,000	2,000	3,000	3,000	1,500	1,000	1,000	1,000
Not Hispanic or Latino									
American Indian or Alaska Native	1,500	D	D	S	D	D	D	D	D
Asian	8,000	3,500	3,500	4,000	4,000	3,000	1,500	1,000	1,000
Black or African American	4,500	1,500	1,500	1,500	2,500	2,000	2,000	1,500	1,000
White	19,500	5,500	7,000	8,500	8,500	8,500	6,500	6,000	4,500
Other	3,500	2,000	1,500	1,500	1,500	1,500	1,000	D	S
Mathematical scientists	5,000	1,500	1,500	2,500	2,500	2,500	1,000	1,500	2,000
Hispanic or Latino	1,000	500	500	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	1,500	1,000	D	D	D	D	D	D	D
Black or African American	1,500	*	D	D	D	D	D	D	D
White	4,500	1,000	1,000	2,500	2,000	2,500	1,000	1,000	S
Other	D	D	D	D	D	D	D	D	D
Postsecondary teachers-computer/ mathematical sciences	2,500	1,500	1,000	S	D	D	S	500	1,000
Hispanic or Latino	S	D	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	S	*	D	D	D	D	D	D	D
Black or African American	S	*	D	D	D	D	D	D	D
White	2,500	1,500	1,000	S	D	D	D	500	1,000
Other	D	D	D	D	D	D	D	D	D
Physical/related scientists	7,500	2,500	2,500	3,500	2,000	3,000	2,000	3,000	2,500
Hispanic or Latino	2,000	1,000	1,000	S	D	1,000	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	S	*	D	D	D	D	D	D	D
Asian	2,500	500	1,500	D	D	500	D	D	1,500
Black or African American	1,000	500	*	D	D	D	D	500	D
White	7,000	2,000	2,000	3,500	2,000	3,000	2,000	3,000	2,000
Other	1,000	1,000	500	D	D	D	D	D	D
Chemists, except biochemists	5,500	1,500	2,000	3,000	1,500	2,000	1,500	2,000	2,000
Hispanic or Latino	1,500	500	500	D	D	1,000	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	2,000	500	1,500	D	D	500	D	D	1,500
Black or African American	1,000	500	D	D	D	D	D	D	D
White	4,500	1,500	1,500	3,000	1,000	2,000	1,500	2,000	1,000
Other	1,000	500	*	D	D	D	D	D	D
Earth/atmospheric/ocean scientists	3,500	1,000	1,000	2,000	1,000	1,500	1,000	1,500	1,500
Hispanic or Latino	1,000	*	*	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	500	*	D	D	D	D	D	D	D
Black or African American	*	*	D	D	D	D	D	D	D
White	3,500	1,000	1,000	2,000	1,000	1,500	1,000	1,500	1,500
Other	S	S	D	D	D	D	D	D	D

TABLE A-11. Standard errors for employed U.S. scientists and engineers, by level of highest degree, occupation, ethnicity, race, and years since degree: 2008

Highest degree, occupation, ethnicity, and race[a]	Employed scientists and engineers	Years since highest degree							
		<5 years	5–9 years	10–14 years	15–19 years	20–24 years	25–29 years	30–34 years	35+ years
Physicists/astronomers	1,000	500	500	D	D	D	D	D	D
Hispanic or Latino	*	*	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	500	*	D	D	D	D	D	D	D
Black or African American	*	*	D	D	D	D	D	D	D
White	1,000	500	500	D	D	D	D	D	D
Other	D	D	D	D	D	D	D	D	D
Postsecondary teachers-physical/ related sciences	1,500	1,000	500	D	D	D	D	D	D
Hispanic or Latino	*	*	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	500	500	D	D	D	D	D	D	D
Black or African American	D	D	D	D	D	D	D	D	D
White	1,500	1,000	500	D	D	D	D	D	D
Other	S	S	D	D	D	D	D	D	D
Other physical/related scientists	3,500	1,000	1,500	1,000	S	1,500	1,000	2,000	1,500
Hispanic or Latino	1,000	500	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	D	D	D	D	D	D	D	D	D
Black or African American	S	D	D	D	D	D	D	D	D
White	3,000	500	1,500	500	S	1,500	1,000	2,000	S
Other	D	D	D	D	D	D	D	D	D
Social/related scientists	7,500	4,000	3,500	2,500	3,500	2,500	1,500	3,500	2,000
Hispanic or Latino	1,500	1,000	1,000	D	D	S	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	2,000	1,000	S	D	D	D	D	D	D
Black or African American	2,000	500	D	D	D	D	D	D	D
White	7,000	3,500	3,000	2,500	3,500	2,500	1,500	3,500	1,500
Other	1,500	1,000	D	D	D	D	D	D	D
Economists	1,500	1,000	D	D	D	500	D	D	D
Hispanic or Latino	D	D	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	D	D	D	D	D	D	D	D	D
Black or African American	D	D	D	D	D	D	D	D	D
White	1,500	1,000	D	D	D	D	D	D	D
Other	D	D	D	D	D	D	D	D	D
Political/related scientists	2,000	1,000	D	D	D	D	D	D	D
Hispanic or Latino	D	D	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	D	D	D	D	D	D	D	D	D
Black or African American	D	D	D	D	D	D	D	D	D
White	1,500	1,000	D	D	D	D	D	D	D
Other	D	D	D	D	D	D	D	D	D
Postsecondary teachers-social/ related sciences	3,000	2,000	2,000	D	D	D	D	D	D
Hispanic or Latino	D	D	D	D	D	D	D	D	D

TABLE A-11. Standard errors for employed U.S. scientists and engineers, by level of highest degree, occupation, ethnicity, race, and years since degree: 2008

Highest degree, occupation, ethnicity, and race[a]	Employed scientists and engineers	Years since highest degree							
		<5 years	5–9 years	10–14 years	15–19 years	20–24 years	25–29 years	30–34 years	35+ years
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	D	D	D	D	D	D	D	D	D
Black or African American	D	D	D	D	D	D	D	D	D
White	2,500	1,500	2,000	D	D	D	D	D	D
Other	D	D	D	D	D	D	D	D	D
Psychologists	3,000	2,500	1,000	D	D	D	D	D	D
Hispanic or Latino	1,000	D	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	1,000	D	D	D	D	D	D	D	D
Black or African American	500	D	D	D	D	D	D	D	D
White	3,000	2,000	1,000	D	D	D	D	D	D
Other	D	D	D	D	D	D	D	D	D
Sociologists/anthropologists	2,000	1,500	D	D	D	D	D	D	D
Hispanic or Latino	S	D	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	D	D	D	D	D	D	D	D	D
Black or African American	D	D	D	D	D	D	D	D	D
White	1,500	1,500	D	D	D	D	D	D	D
Other	D	D	D	D	D	D	D	D	D
Other social/related scientists	6,000	2,500	2,500	2,500	3,500	2,500	1,500	3,000	1,500
Hispanic or Latino	1,000	S	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	1,500	1,000	D	D	D	D	D	D	D
Black or African American	S	D	D	D	D	D	D	D	D
White	6,000	2,000	2,000	2,500	3,500	2,500	S	3,000	1,500
Other	S	D	D	D	D	D	D	D	D
Engineering occupations	17,500	4,000	5,000	7,500	7,000	6,500	7,000	6,000	6,000
Hispanic or Latino	4,000	1,500	1,500	2,500	1,500	1,500	2,000	1,000	1,000
Not Hispanic or Latino									
American Indian or Alaska Native	1,000	*	*	D	D	D	D	D	D
Asian	5,000	2,000	2,000	2,000	2,500	2,000	2,000	2,000	1,000
Black or African American	3,500	1,000	1,500	1,000	1,000	2,000	2,000	1,000	S
White	16,500	3,500	4,500	6,000	6,000	6,000	6,500	5,500	5,500
Other	3,000	1,500	1,000	2,000	1,000	1,500	500	500	1,000
Aerospace/aeronautical/astronautical engineers	4,000	1,000	1,000	2,000	1,500	2,000	2,000	1,000	2,000
Hispanic or Latino	1,500	500	*	S	D	S	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	1,000	500	500	D	D	500	D	S	D
Black or African American	1,000	*	D	D	D	D	D	D	D
White	3,500	1,000	1,000	1,500	1,500	1,500	1,500	1,000	2,000
Other	1,000	500	D	D	D	S	D	D	D
Chemical engineers	4,000	1,000	1,000	1,500	2,500	1,500	1,500	1,500	1,000
Hispanic or Latino	1,000	*	*	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	1,000	500	500	D	D	D	D	D	D
Black or African American	500	*	D	D	D	D	D	D	D

TABLE A-11. Standard errors for employed U.S. scientists and engineers, by level of highest degree, occupation, ethnicity, race, and years since degree: 2008

Highest degree, occupation, ethnicity, and race[a]	Employed scientists and engineers	Years since highest degree							
		<5 years	5–9 years	10–14 years	15–19 years	20–24 years	25–29 years	30–34 years	35+ years
White	3,500	1,000	1,000	1,500	2,000	1,000	1,000	1,500	1,000
Other	1,000	*	D	D	D	D	D	D	D
Civil/architectural/sanitary engineers	6,500	1,500	2,000	4,000	2,000	3,000	2,000	2,500	2,500
Hispanic or Latino	2,000	500	1,000	2,000	500	500	S	500	1,000
Not Hispanic or Latino									
American Indian or Alaska Native	500	*	D	D	D	D	D	D	D
Asian	1,500	500	500	500	*	500	1,000	1,000	1,000
Black or African American	1,500	500	500	D	500	500	D	D	D
White	6,000	1,500	2,000	3,500	2,000	2,500	2,000	2,500	2,000
Other	1,500	500	*	1,000	D	D	D	D	D
Electrical/computer hardware engineers	7,000	2,000	3,000	3,500	2,500	3,000	3,500	3,000	2,000
Hispanic or Latino	2,000	1,000	1,000	1,000	1,000	1,000	500	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	3,500	1,500	1,500	2,000	2,000	1,500	1,000	1,500	500
Black or African American	2,000	500	500	1,000	1,000	1,500	S	500	D
White	6,000	2,000	2,500	2,500	2,500	2,500	3,000	2,500	2,000
Other	1,500	1,000	1,000	1,000	D	D	D	D	D
Industrial engineers	5,000	1,000	1,500	3,000	2,000	2,500	1,500	2,000	1,500
Hispanic or Latino	1,500	500	500	D	S	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	2,500	500	S	1,500	D	S	D	D	D
Black or African American	1,000	500	*	D	D	D	D	D	D
White	4,500	1,000	1,000	2,000	2,000	2,000	1,500	2,000	1,500
Other	1,500	*	D	D	D	D	D	D	D
Mechanical engineers	7,000	2,000	2,000	3,000	3,500	3,000	3,000	2,000	2,500
Hispanic or Latino	1,500	500	500	1,000	500	500	500	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	500	*	D	D	D	D	D	D	D
Asian	1,500	1,000	500	500	500	500	1,000	500	500
Black or African American	2,000	500	500	D	D	D	D	D	D
White	7,000	1,500	2,000	2,500	3,500	3,000	2,500	2,000	2,500
Other	1,000	1,000	D	D	D	D	D	D	D
Postsecondary teachers-engineering	1,500	500	S	D	D	D	D	D	S
Hispanic or Latino	*	*	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	D	D	D	D	D	D	D	D	D
Black or African American	500	D	D	D	D	D	D	D	D
White	1,500	500	D	D	D	D	D	D	S
Other	D	D	D	D	D	D	D	D	D
Other engineers	9,500	2,000	3,000	4,000	3,500	3,500	5,000	3,000	3,500
Hispanic or Latino	2,000	500	500	500	500	500	1,500	D	500
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	2,000	1,000	1,000	S	1,000	D	1,500	D	*
Black or African American	1,500	500	S	500	D	D	D	D	D
White	9,000	2,000	2,500	4,000	3,500	3,500	4,500	3,000	3,500
Other	1,000	500	D	D	D	D	D	D	D
S&E-related occupations	36,000	9,500	14,500	18,500	16,500	16,000	15,000	13,500	13,500
Hispanic or Latino	8,000	2,500	3,000	4,000	4,000	4,500	3,500	3,000	2,000

TABLE A-11. Standard errors for employed U.S. scientists and engineers, by level of highest degree, occupation, ethnicity, race, and years since degree: 2008

Highest degree, occupation, ethnicity, and race[a]	Employed scientists and engineers	Years since highest degree							
		<5 years	5–9 years	10–14 years	15–19 years	20–24 years	25–29 years	30–34 years	35+ years
Not Hispanic or Latino									
American Indian or Alaska Native	3,500	1,000	1,000	D	S	D	D	D	D
Asian	11,000	4,000	3,500	4,000	5,000	4,000	6,000	4,000	4,000
Black or African American	9,500	3,500	3,500	4,500	4,000	4,000	3,500	2,500	2,500
White	32,500	8,500	13,500	15,500	15,500	14,500	13,500	12,000	12,500
Other	6,500	2,000	3,000	4,000	2,500	2,500	1,500	2,500	2,000
Health occupations	31,000	9,000	12,000	17,000	13,500	13,000	13,000	11,000	10,000
Hispanic or Latino	6,500	2,500	2,000	3,000	3,000	3,000	3,000	2,500	2,000
Not Hispanic or Latino									
American Indian or Alaska Native	2,500	1,000	D	D	D	D	D	D	D
Asian	9,500	3,500	3,000	3,500	5,000	3,500	5,000	3,500	3,500
Black or African American	9,000	3,500	3,000	4,500	4,000	3,500	3,000	2,500	2,000
White	27,000	8,000	11,000	14,500	12,500	12,000	11,000	9,500	9,000
Other	6,000	2,000	3,000	3,000	2,500	S	1,500	2,000	S
S&E managers	12,000	1,500	3,500	5,000	5,500	5,000	5,000	4,500	4,000
Hispanic or Latino	3,000	1,000	500	1,000	1,500	1,500	500	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	1,500	D	D	D	D	D	D	D	D
Asian	3,000	D	D	2,000	1,500	1,000	S	*	1,000
Black or African American	3,000	D	2,000	1,000	S	1,000	1,500	1,000	D
White	11,000	1,500	3,000	4,000	5,000	5,000	4,500	4,500	4,000
Other	2,000	D	D	D	D	D	D	D	S
S&E precollege teachers	12,500	3,500	5,000	5,500	6,000	5,000	4,000	5,000	4,000
Hispanic or Latino	3,500	1,000	1,000	2,000	1,500	2,000	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	500	D	D	D	D	D	D	D	D
Asian	2,000	1,000	1,500	D	D	D	D	D	D
Black or African American	2,500	1,000	1,500	S	D	D	D	D	1,000
White	11,500	3,000	5,000	4,500	5,500	4,500	4,000	5,000	4,000
Other	1,500	*	D	D	D	D	D	D	D
S&E technicians/technologists	13,500	4,000	5,000	5,500	5,000	7,000	5,000	4,000	3,500
Hispanic or Latino	2,500	1,000	1,000	1,500	1,000	1,500	S	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	S	D	D	D	D	D	D	D	D
Asian	4,000	1,500	2,000	2,000	1,500	2,000	1,500	1,000	1,500
Black or African American	2,000	500	500	500	1,000	1,000	1,000	1,000	D
White	11,000	3,500	4,000	5,000	4,500	6,500	4,000	3,500	3,500
Other	2,500	1,000	1,500	D	D	D	D	D	D
Other S&E-related occupations	8,500	1,000	1,500	4,500	4,000	4,000	3,500	3,000	3,500
Hispanic or Latino	2,500	D	1,000	D	D	1,000	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	2,500	500	1,000	1,500	D	1,000	1,500	D	D
Black or African American	1,500	D	D	D	D	1,000	D	D	D
White	8,000	1,000	1,000	4,500	3,500	4,000	3,000	3,000	3,000
Other	S	D	D	D	D	D	D	D	D
Non-S&E occupations	65,000	13,500	17,500	25,500	23,500	22,500	24,000	23,000	22,500
Hispanic or Latino	13,500	3,500	4,500	7,000	5,500	5,500	4,500	4,000	2,500
Not Hispanic or Latino									
American Indian or Alaska Native	4,000	500	1,500	2,500	2,500	D	D	1,000	D
Asian	12,500	4,000	4,500	6,500	6,000	5,500	6,000	4,500	5,000
Black or African American	13,500	4,000	5,500	5,500	5,000	5,500	6,000	5,000	4,000

TABLE A-11. Standard errors for employed U.S. scientists and engineers, by level of highest degree, occupation, ethnicity, race, and years since degree: 2008

Highest degree, occupation, ethnicity, and race[a]	Employed scientists and engineers	Years since highest degree							
		<5 years	5–9 years	10–14 years	15–19 years	20–24 years	25–29 years	30–34 years	35+ years
White	59,500	11,500	14,500	23,500	22,000	20,500	22,000	22,000	21,500
Other	8,000	3,000	3,500	3,500	4,000	3,000	2,500	3,000	2,000
Arts/humanities/related occupations	12,000	3,500	3,500	5,500	6,000	4,500	4,000	4,000	4,000
Hispanic or Latino	3,000	S	D	1,500	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	2,000	1,000	S	D	D	D	D	D	D
Black or African American	2,000	1,000	1,000	D	D	D	D	D	D
White	11,500	3,000	3,500	5,500	5,500	4,500	4,000	4,500	4,000
Other	2,000	1,000	D	D	D	D	D	D	D
Management-related occupations	26,000	5,500	8,000	11,000	9,000	9,500	9,000	9,000	9,000
Hispanic or Latino	4,500	2,000	3,000	2,500	2,500	2,000	1,500	2,000	1,000
Not Hispanic or Latino									
American Indian or Alaska Native	1,500	D	D	D	D	D	D	1,000	D
Asian	7,000	2,500	2,500	3,500	2,500	2,000	2,500	1,500	2,000
Black or African American	6,000	1,500	2,000	3,000	2,500	3,000	3,000	3,000	2,000
White	22,500	4,500	6,500	9,500	9,000	8,500	8,000	8,000	8,500
Other	3,500	1,500	1,500	S	D	S	D	D	D
Non-S&E managers	21,000	2,500	4,500	9,000	8,500	9,500	9,000	9,000	7,500
Hispanic or Latino	4,000	1,000	1,000	3,000	2,000	1,500	1,500	1,500	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	4,000	500	1,000	2,000	2,000	1,500	1,500	1,500	2,000
Black or African American	4,000	1,000	2,000	D	1,500	2,000	2,000	1,500	D
White	19,500	2,000	4,000	7,500	7,500	9,000	8,500	8,500	7,000
Other	2,500	500	D	D	2,000	D	D	D	D
Non-S&E postsecondary teachers	3,500	2,000	1,000	S	S	1,000	2,000	1,500	2,000
Hispanic or Latino	1,500	D	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	D	D	D	D	D	D	D	D	D
Black or African American	1,000	500	D	D	D	D	D	D	D
White	3,000	2,000	S	S	S	D	1,500	1,000	S
Other	S	D	D	D	D	D	D	D	D
Non-S&E precollege/other teachers	18,000	5,000	5,500	7,000	6,500	7,500	7,500	4,500	6,000
Hispanic or Latino	5,000	1,500	2,500	2,000	2,000	2,500	2,000	1,500	D
Not Hispanic or Latino									
American Indian or Alaska Native	1,000	D	D	D	D	D	D	D	D
Asian	4,000	S	D	D	2,500	D	D	D	D
Black or African American	4,500	1,500	1,500	2,500	D	2,000	D	D	2,000
White	16,000	5,000	4,500	6,500	6,000	7,000	7,000	4,500	5,500
Other	2,000	1,000	D	D	D	D	D	D	D
Sales/marketing occupations	28,000	5,500	8,500	11,500	11,500	12,500	10,500	10,000	11,500
Hispanic or Latino	4,500	1,500	1,500	3,000	2,500	1,500	1,500	1,000	1,000
Not Hispanic or Latino									
American Indian or Alaska Native	2,000	D	S	D	D	D	D	D	D
Asian	6,500	2,000	2,500	3,000	2,500	3,000	2,500	2,500	2,500
Black or African American	5,000	1,500	2,000	S	3,000	1,500	2,000	2,000	1,500
White	26,500	5,000	7,500	10,500	11,000	12,000	10,000	10,000	11,500
Other	4,500	1,500	2,000	2,000	D	S	D	D	D
Social services/related occupations	12,500	5,000	5,000	6,000	4,000	4,500	4,000	5,000	2,500
Hispanic or Latino	3,500	1,500	1,500	2,500	S	1,500	S	D	D

TABLE A-11. Standard errors for employed U.S. scientists and engineers, by level of highest degree, occupation, ethnicity, race, and years since degree: 2008

Highest degree, occupation, ethnicity, and race[a]	Employed scientists and engineers	Years since highest degree							
		<5 years	5–9 years	10–14 years	15–19 years	20–24 years	25–29 years	30–34 years	35+ years
Not Hispanic or Latino									
American Indian or Alaska Native	1,000	D	D	D	D	D	D	D	D
Asian	2,000	1,000	D	D	D	D	D	D	D
Black or African American	4,500	2,000	2,500	2,500	1,500	1,500	1,500	1,500	D
White	11,000	4,000	4,000	5,000	3,500	4,000	4,000	4,500	2,500
Other	1,500	1,000	S	D	D	D	D	D	D
Other non-S&E occupations	37,000	10,000	10,500	14,000	14,000	13,500	14,500	14,000	14,500
Hispanic or Latino	8,000	3,000	2,500	4,000	3,000	3,500	3,500	1,500	2,000
Not Hispanic or Latino									
American Indian or Alaska Native	3,000	500	1,000	2,000	S	D	D	D	D
Asian	10,000	3,500	3,000	3,500	4,500	4,000	4,500	3,000	4,000
Black or African American	9,500	2,500	3,500	3,500	3,500	4,000	4,500	4,000	2,500
White	33,000	8,500	9,000	12,500	12,500	11,000	12,500	13,000	13,500
Other	5,500	2,000	2,500	2,000	2,500	2,000	S	2,500	1,500
Master's degrees, all occupations	50,000	21,500	21,500	20,500	19,500	18,000	16,500	14,000	12,500
Hispanic or Latino	9,500	6,500	5,000	4,500	4,000	3,500	3,000	2,000	1,000
Not Hispanic or Latino									
American Indian or Alaska Native	3,000	1,500	1,000	S	2,000	S	D	D	D
Asian	12,500	6,500	6,500	5,500	5,500	4,500	4,000	3,000	3,500
Black or African American	12,000	6,500	6,500	6,500	4,500	4,500	3,500	3,000	2,500
White	44,000	18,000	19,000	19,500	18,000	16,000	15,500	13,000	12,500
Other	6,000	3,500	3,000	3,000	1,500	2,000	1,500	1,500	1,000
S&E occupations	23,000	9,000	9,500	9,500	8,500	7,500	6,000	5,000	4,500
Hispanic or Latino	4,000	3,000	1,500	2,000	1,500	1,000	1,000	1,000	500
Not Hispanic or Latino									
American Indian or Alaska Native	1,500	500	*	S	D	D	D	D	D
Asian	8,000	4,500	4,000	4,000	3,000	2,500	2,000	1,500	1,500
Black or African American	5,000	2,500	3,000	1,500	1,500	1,500	1,500	500	500
White	19,000	6,500	8,500	8,000	7,000	7,000	5,500	5,000	4,500
Other	2,500	1,500	1,500	1,000	1,000	S	500	500	D
Science occupations	19,000	8,000	8,000	8,000	7,500	6,500	5,500	4,500	3,500
Hispanic or Latino	3,500	3,000	1,000	1,500	1,000	1,000	1,000	D	500
Not Hispanic or Latino									
American Indian or Alaska Native	1,500	500	*	D	D	D	D	D	D
Asian	7,000	4,000	3,500	3,500	3,000	2,000	1,500	1,000	1,000
Black or African American	4,500	2,500	3,000	1,500	1,500	1,500	1,500	500	500
White	16,000	6,000	6,500	6,500	6,000	5,500	5,000	4,500	3,500
Other	2,500	1,500	1,500	1,000	1,000	S	500	500	D
Biological/agricultural/other life scientists	6,000	3,500	2,500	2,500	2,000	2,500	2,500	1,500	1,000
Hispanic or Latino	2,500	2,000	500	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	2,500	1,500	1,500	1,500	1,000	500	S	S	S
Black or African American	1,000	500	*	D	D	D	D	D	D
White	5,500	3,000	2,000	2,500	2,000	2,500	2,500	1,500	1,000
Other	1,000	500	S	D	D	D	D	D	D
Agricultural/food scientists	2,500	1,500	500	500	500	1,500	1,000	D	D
Hispanic or Latino	S	S	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	1,000	S	D	D	D	D	D	D	D
Black or African American	*	D	D	D	D	D	D	D	D

TABLE A-11. Standard errors for employed U.S. scientists and engineers, by level of highest degree, occupation, ethnicity, race, and years since degree: 2008

Highest degree, occupation, ethnicity, and race[a]	Employed scientists and engineers	Years since highest degree							
		<5 years	5–9 years	10–14 years	15–19 years	20–24 years	25–29 years	30–34 years	35+ years
White	2,000	1,000	500	500	D	1,500	500	D	D
Other	D	D	D	D	D	D	D	D	D
Biological/medical scientists	4,500	2,500	2,000	2,000	2,000	1,500	1,500	1,000	500
Hispanic or Latino	2,000	2,000	*	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	2,500	1,500	1,500	1,500	1,000	500	D	D	D
Black or African American	1,000	500	*	D	D	D	D	D	D
White	4,000	2,500	1,500	2,000	2,000	1,000	1,500	1,000	500
Other	1,000	D	D	D	D	D	D	D	D
Environmental life scientists	2,500	1,500	1,000	D	D	500	S	D	D
Hispanic or Latino	D	D	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	D	D	D	D	D	D	D	D	D
Black or African American	D	D	D	D	D	D	D	D	D
White	2,500	S	1,000	D	D	500	S	D	D
Other	D	D	D	D	D	D	D	D	D
Postsecondary teachers-life/ related sciences	2,500	1,000	1,000	1,500	500	D	D	D	500
Hispanic or Latino	*	*	*	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	500	S	D	D	D	D	D	D	D
Black or African American	*	D	D	D	D	D	D	D	D
White	2,500	1,000	1,000	1,500	500	D	D	D	500
Other	D	D	D	D	D	D	D	D	D
Computer/mathematical scientists	14,500	6,000	6,500	6,500	6,000	4,500	3,500	3,500	2,500
Hispanic or Latino	2,500	2,000	1,000	1,000	1,000	500	500	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	S	D	D	D	D	D	D	D	D
Asian	6,500	3,500	3,500	3,000	3,000	2,000	1,000	1,000	1,000
Black or African American	4,000	2,000	2,500	1,000	1,500	1,500	1,000	D	D
White	12,000	4,000	5,000	5,000	4,500	4,000	3,500	3,000	2,500
Other	2,000	1,000	1,000	1,000	S	D	D	D	D
Computer/information scientists	13,500	5,000	6,000	6,000	5,500	4,000	3,500	3,000	2,000
Hispanic or Latino	2,500	1,500	1,000	1,000	1,000	500	500	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	*	D	D	D	D	D	D	D	D
Asian	6,000	3,500	3,500	3,000	3,000	2,000	1,000	1,000	1,000
Black or African American	4,000	2,000	2,500	1,000	1,500	1,000	1,000	D	D
White	11,000	3,000	4,500	5,000	4,500	3,500	3,000	3,000	2,000
Other	2,000	1,000	1,000	1,000	S	D	D	D	D
Mathematical scientists	4,500	2,500	2,500	2,000	1,500	1,500	1,000	1,000	1,000
Hispanic or Latino	S	S	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	1,500	1,500	500	500	D	S	D	D	D
Black or African American	1,500	S	D	D	D	D	D	D	D
White	4,000	1,500	2,000	2,000	1,500	1,500	1,000	S	S
Other	*	*	D	D	D	D	D	D	D

TABLE A-11. Standard errors for employed U.S. scientists and engineers, by level of highest degree, occupation, ethnicity, race, and years since degree: 2008

Highest degree, occupation, ethnicity, and race[a]	Employed scientists and engineers	Years since highest degree							
		<5 years	5–9 years	10–14 years	15–19 years	20–24 years	25–29 years	30–34 years	35+ years
Postsecondary teachers-computer/ mathematical sciences	3,500	2,000	1,000	1,500	1,000	1,500	1,000	1,500	1,500
Hispanic or Latino	1,000	S	500	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	1,000	500	500	S	D	D	D	D	D
Black or African American	1,000	500	*	D	D	D	S	D	D
White	3,500	2,000	1,000	1,000	1,000	1,000	1,000	1,500	1,500
Other	*	*	D	D	D	D	D	D	D
Physical/related scientists	4,000	1,500	2,000	2,500	1,500	2,000	1,500	1,000	1,500
Hispanic or Latino	1,000	500	500	D	500	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	*	D	D	D	D	D	D	D	D
Asian	2,000	1,000	500	1,500	500	D	D	D	500
Black or African American	500	500	*	D	D	D	D	D	D
White	4,000	1,500	2,000	2,000	1,500	2,000	1,500	1,000	1,500
Other	500	*	*	D	D	D	D	D	D
Chemists, except biochemists	2,500	1,000	1,000	1,500	1,000	1,000	1,000	1,000	1,000
Hispanic or Latino	500	*	*	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	2,000	500	500	1,500	S	D	D	D	500
Black or African American	500	*	*	D	D	D	D	D	D
White	2,000	1,000	500	1,000	1,000	1,000	S	500	1,000
Other	D	D	D	D	D	D	D	D	D
Earth/atmospheric/ocean scientists	2,500	1,000	1,500	1,000	1,000	1,500	1,500	500	500
Hispanic or Latino	500	*	*	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	*	D	D	D	D	D	D	D	D
Asian	500	500	*	D	D	D	D	D	D
Black or African American	*	*	D	D	D	D	D	D	D
White	2,500	1,000	1,500	1,000	1,000	1,500	1,000	500	500
Other	500	D	D	D	D	D	D	D	D
Physicists/astronomers	1,000	500	500	D	D	D	500	D	D
Hispanic or Latino	*	*	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	500	500	D	D	D	D	D	D	D
Black or African American	*	*	D	D	D	D	D	D	D
White	1,000	500	500	D	D	D	D	D	D
Other	*	*	D	D	D	D	D	D	D
Postsecondary teachers-physical/ related sciences	2,000	1,000	1,000	D	1,000	500	D	500	S
Hispanic or Latino	*	*	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	1,000	500	D	D	D	D	D	D	D
Black or African American	*	*	D	D	D	D	D	D	D
White	2,000	1,000	1,000	D	1,000	500	D	500	S
Other	D	D	D	D	D	D	D	D	D
Other physical/related scientists	2,000	500	500	S	1,000	D	D	D	D
Hispanic or Latino	D	D	D	D	D	D	D	D	D

TABLE A-11. Standard errors for employed U.S. scientists and engineers, by level of highest degree, occupation, ethnicity, race, and years since degree: 2008

Highest degree, occupation, ethnicity, and race[a]	Employed scientists and engineers	Years since highest degree							
		<5 years	5–9 years	10–14 years	15–19 years	20–24 years	25–29 years	30–34 years	35+ years
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	D	D	D	D	D	D	D	D	D
Black or African American	*	D	D	D	D	D	D	D	D
White	2,000	500	500	S	1,000	D	D	D	D
Other	D	D	D	D	D	D	D	D	D
Social/related scientists	9,500	4,000	3,500	4,000	3,500	3,500	3,000	2,500	2,500
Hispanic or Latino	2,000	1,000	500	D	1,000	1,000	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	1,500	D	D	D	D	D	D	D	D
Asian	2,000	1,000	1,500	1,000	500	D	D	D	D
Black or African American	2,000	1,000	1,000	1,000	D	D	D	D	D
White	8,500	3,500	3,000	4,000	3,500	3,000	3,000	2,500	2,500
Other	1,000	1,000	D	D	D	D	D	D	D
Economists	2,500	1,000	1,000	1,500	1,500	D	500	D	500
Hispanic or Latino	*	*	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	500	500	500	D	D	D	D	D	D
Black or African American	S	S	D	D	D	D	D	D	D
White	2,000	500	500	1,500	1,500	D	500	D	500
Other	D	D	D	D	D	D	D	D	D
Political/related scientists	2,500	1,000	1,000	D	D	D	D	D	D
Hispanic or Latino	*	*	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	D	D	D	D	D	D	D	D	D
Black or African American	*	*	D	D	D	D	D	D	D
White	2,500	1,000	1,000	D	D	D	D	D	D
Other	D	D	D	D	D	D	D	D	D
Postsecondary teachers-social/ related sciences	3,500	2,000	1,000	1,500	1,000	1,000	1,000	1,000	1,000
Hispanic or Latino	1,000	500	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	1,000	500	D	D	D	D	D	D	D
Black or African American	1,000	*	S	D	D	D	D	D	D
White	3,000	2,000	1,000	1,500	1,000	1,000	1,000	1,000	1,000
Other	500	*	D	D	D	D	D	D	D
Psychologists	6,000	2,500	2,000	2,500	2,500	2,500	2,500	1,500	1,500
Hispanic or Latino	1,000	1,000	500	D	1,000	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	1,000	1,000	D	D	D	D	D	D	D
Black or African American	1,500	500	500	500	D	D	D	D	D
White	5,500	2,500	2,000	2,000	2,500	2,000	2,500	1,500	1,500
Other	500	500	D	D	D	D	D	D	D
Sociologists/anthropologists	2,000	1,000	500	D	D	D	D	D	D
Hispanic or Latino	500	500	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	*	D	D	D	D	D	D	D	D

TABLE A-11. Standard errors for employed U.S. scientists and engineers, by level of highest degree, occupation, ethnicity, race, and years since degree: 2008

Highest degree, occupation, ethnicity, and race[a]	Employed scientists and engineers	Years since highest degree							
		<5 years	5–9 years	10–14 years	15–19 years	20–24 years	25–29 years	30–34 years	35+ years
Black or African American	*	*	D	D	D	D	D	D	D
White	2,000	1,000	D	D	D	D	D	D	D
Other	D	D	D	D	D	D	D	D	D
Other social/related scientists	5,500	2,500	2,500	2,500	1,500	2,500	1,000	1,500	1,500
Hispanic or Latino	1,000	500	*	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	1,500	1,000	1,000	D	D	D	D	D	D
Black or African American	1,000	500	D	D	D	D	D	D	D
White	5,000	2,000	2,500	2,500	1,500	2,000	1,000	1,500	1,500
Other	500	D	D	D	D	D	D	D	D
Engineering occupations	10,000	4,000	5,500	4,500	4,000	4,000	3,500	3,000	3,000
Hispanic or Latino	2,000	1,000	1,000	1,500	1,000	*	500	S	D
Not Hispanic or Latino									
American Indian or Alaska Native	500	*	D	D	D	D	D	D	D
Asian	4,500	2,500	2,500	2,000	1,500	1,500	1,000	1,000	1,000
Black or African American	1,500	1,000	1,000	1,000	1,000	D	*	D	D
White	9,500	3,000	5,000	4,000	4,000	3,500	3,000	2,500	3,000
Other	1,000	1,000	500	500	D	D	D	D	D
Aerospace/aeronautical/astronautical engineers	3,000	1,500	1,500	1,500	1,500	1,000	1,000	500	1,500
Hispanic or Latino	1,000	S	*	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	1,000	500	*	D	500	D	D	D	D
Black or African American	S	*	D	D	D	D	D	D	D
White	3,000	1,000	1,500	1,000	1,500	1,000	1,000	500	1,500
Other	500	*	D	D	D	D	D	D	D
Chemical engineers	2,500	500	1,000	1,500	1,000	1,500	1,000	1,000	1,000
Hispanic or Latino	S	*	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	1,500	500	500	S	D	D	D	1,000	D
Black or African American	500	*	D	D	D	D	D	D	D
White	2,000	500	1,000	1,000	1,000	1,500	500	1,000	1,000
Other	*	D	D	D	D	D	D	D	D
Civil/architectural/sanitary engineers	4,500	1,500	2,000	2,500	2,000	2,000	1,500	2,000	1,500
Hispanic or Latino	1,000	500	500	1,000	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	1,500	1,000	1,000	1,000	500	*	500	500	500
Black or African American	1,000	500	*	D	D	D	D	D	D
White	4,000	1,000	2,000	2,000	1,500	2,000	1,500	1,500	1,000
Other	500	*	D	D	D	D	D	D	D
Electrical/computer hardware engineers	5,500	2,500	2,500	2,500	3,000	2,000	2,000	1,500	1,500
Hispanic or Latino	1,500	500	*	1,000	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	3,000	2,000	1,500	1,500	1,500	1,000	500	1,000	500
Black or African American	1,000	500	*	500	D	D	D	D	D
White	4,000	1,500	1,500	2,000	2,500	1,500	1,500	1,000	1,500
Other	1,000	1,000	D	D	D	D	D	D	D

TABLE A-11. Standard errors for employed U.S. scientists and engineers, by level of highest degree, occupation, ethnicity, race, and years since degree: 2008

Highest degree, occupation, ethnicity, and race[a]	Employed scientists and engineers	Years since highest degree							
		<5 years	5–9 years	10–14 years	15–19 years	20–24 years	25–29 years	30–34 years	35+ years
Industrial engineers	3,000	1,500	2,000	1,000	1,500	1,000	500	500	D
Hispanic or Latino	1,000	500	500	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	1,000	500	D	D	D	D	D	D	D
Black or African American	S	*	D	D	D	D	D	D	D
White	2,500	1,500	2,000	1,000	S	1,000	D	S	D
Other	D	D	D	D	D	D	D	D	D
Mechanical engineers	4,500	2,500	2,500	2,000	2,000	2,000	1,500	1,000	1,500
Hispanic or Latino	1,000	500	500	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	2,000	1,500	1,000	1,000	500	500	*	*	D
Black or African American	1,000	500	*	D	D	D	D	D	D
White	4,000	2,000	2,000	2,000	1,500	2,000	1,000	1,000	1,500
Other	500	*	*	D	D	D	D	D	D
Postsecondary teachers-engineering	1,500	1,000	500	D	D	1,000	D	D	D
Hispanic or Latino	500	*	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	500	500	D	D	D	D	D	D	D
Black or African American	*	*	D	D	D	D	D	D	D
White	1,500	500	500	D	D	1,000	D	D	D
Other	D	D	D	D	D	D	D	D	D
Other engineers	5,500	1,500	3,000	2,500	2,000	1,500	2,000	1,500	1,500
Hispanic or Latino	1,000	500	500	1,000	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	2,000	1,000	1,000	1,000	500	500	D	D	D
Black or African American	1,000	*	500	D	D	D	D	D	D
White	5,000	1,500	2,500	2,000	2,000	1,500	2,000	1,500	1,500
Other	500	*	*	D	D	D	D	D	D
S&E-related occupations	27,500	12,000	13,000	12,000	10,500	8,500	8,500	6,500	5,000
Hispanic or Latino	5,000	3,000	2,000	2,000	2,000	2,000	1,500	1,000	D
Not Hispanic or Latino									
American Indian or Alaska Native	1,500	500	500	D	D	D	D	D	D
Asian	6,000	3,000	3,000	2,500	2,000	2,500	2,000	1,500	1,000
Black or African American	5,500	2,500	3,000	2,500	2,500	2,500	2,000	1,500	1,000
White	25,000	11,000	12,000	11,000	10,000	8,000	7,500	6,000	5,000
Other	3,000	2,000	1,000	1,000	D	500	1,500	D	D
Health occupations	18,000	8,000	9,000	8,500	8,000	6,500	5,500	4,000	3,500
Hispanic or Latino	3,500	2,000	2,000	1,500	1,500	1,500	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	1,500	500	D	D	D	D	D	D	D
Asian	4,500	2,500	2,500	1,500	1,500	2,500	1,500	1,000	1,000
Black or African American	4,500	2,000	2,000	2,000	2,000	2,500	1,500	D	D
White	16,000	7,000	8,000	8,000	7,500	5,500	5,000	4,000	3,500
Other	2,000	1,500	D	1,000	D	500	D	D	D
S&E managers	11,500	3,000	3,500	5,000	4,500	4,500	4,000	2,500	2,000
Hispanic or Latino	2,000	1,500	S	1,000	500	D	D	D	D

TABLE A-11. Standard errors for employed U.S. scientists and engineers, by level of highest degree, occupation, ethnicity, race, and years since degree: 2008

Highest degree, occupation, ethnicity, and race[a]	Employed scientists and engineers	Years since highest degree							
		<5 years	5–9 years	10–14 years	15–19 years	20–24 years	25–29 years	30–34 years	35+ years
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	2,500	1,000	1,000	1,000	1,500	1,000	500	S	D
Black or African American	2,000	500	1,000	1,500	1,000	D	D	D	D
White	10,500	2,500	3,000	4,500	4,500	4,000	4,000	2,500	2,000
Other	1,000	D	D	D	D	D	D	D	D
S&E precollege teachers	15,000	7,500	8,000	5,000	5,000	4,500	4,000	3,500	2,500
Hispanic or Latino	2,500	1,500	1,000	1,000	1,000	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	2,000	1,500	1,000	1,000	D	D	D	D	D
Black or African American	3,500	1,500	2,000	1,500	1,500	D	D	D	S
White	14,500	7,000	7,500	5,000	5,000	4,500	3,500	3,000	2,500
Other	2,000	1,500	D	D	D	D	D	D	D
S&E technicians/technologists	6,000	3,000	2,500	2,500	1,500	2,000	2,000	1,000	1,000
Hispanic or Latino	1,500	S	S	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	2,500	1,000	1,500	1,500	1,000	1,000	500	500	D
Black or African American	1,000	500	D	D	D	D	D	D	D
White	5,000	3,000	2,500	2,000	1,500	2,000	2,000	1,000	1,000
Other	500	D	D	D	D	D	D	D	D
Other S&E-related occupations	5,500	1,500	2,000	3,000	2,500	2,000	2,000	2,000	2,500
Hispanic or Latino	1,500	S	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	1,500	1,000	1,000	D	D	D	D	D	D
Black or African American	1,500	*	D	D	D	D	D	D	D
White	5,000	1,000	2,000	2,500	2,500	2,000	2,000	2,000	2,500
Other	D	D	D	D	D	D	D	D	D
Non-S&E occupations	43,500	18,000	17,000	17,500	16,500	13,000	13,000	11,500	10,500
Hispanic or Latino	8,000	5,000	4,500	3,000	3,500	3,000	2,500	1,500	1,000
Not Hispanic or Latino									
American Indian or Alaska Native	2,500	1,500	1,000	D	1,500	D	D	D	D
Asian	9,500	5,000	4,500	4,000	4,000	3,000	3,000	2,500	3,000
Black or African American	10,500	5,500	5,000	5,500	4,000	3,500	2,500	2,500	2,000
White	38,000	15,500	15,000	16,000	15,000	12,000	12,500	11,000	10,500
Other	4,500	2,500	2,500	2,500	1,000	1,500	1,000	D	1,000
Arts/humanities/related occupations	8,000	2,500	2,500	3,000	3,000	3,500	2,500	3,000	3,000
Hispanic or Latino	1,500	*	S	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	2,000	1,500	S	D	D	D	D	D	D
Black or African American	1,500	S	D	D	D	D	D	D	D
White	7,500	2,000	2,000	3,000	3,000	3,500	2,500	2,500	2,500
Other	500	500	D	D	D	D	D	D	D
Management-related occupations	17,000	7,000	6,500	8,500	6,000	5,500	6,000	5,000	5,000
Hispanic or Latino	4,000	1,500	2,500	1,500	1,500	2,000	D	1,000	D
Not Hispanic or Latino									
American Indian or Alaska Native	S	D	D	D	D	D	D	D	D
Asian	5,000	2,500	2,500	2,500	2,000	1,500	2,000	1,000	1,500
Black or African American	4,500	2,500	2,000	2,500	2,000	D	D	1,500	D

TABLE A-11. Standard errors for employed U.S. scientists and engineers, by level of highest degree, occupation, ethnicity, race, and years since degree: 2008

Highest degree, occupation, ethnicity, and race[a]	Employed scientists and engineers	Years since highest degree							
		<5 years	5–9 years	10–14 years	15–19 years	20–24 years	25–29 years	30–34 years	35+ years
White	15,000	6,000	6,000	7,500	5,500	4,500	5,500	5,000	4,500
Other	2,000	1,000	D	1,500	D	D	D	D	D
Non-S&E managers	18,500	6,000	7,000	8,000	7,000	6,500	6,000	6,500	5,500
Hispanic or Latino	4,000	2,000	2,500	1,500	2,000	1,500	S	1,000	D
Not Hispanic or Latino									
American Indian or Alaska Native	1,000	D	D	D	D	D	D	D	D
Asian	3,500	1,500	1,500	2,000	2,000	1,500	1,000	1,500	1,000
Black or African American	4,500	1,500	2,000	2,500	1,500	1,500	S	S	D
White	16,500	5,500	6,000	7,000	7,000	6,000	6,000	6,000	5,500
Other	2,500	*	D	S	D	S	D	D	D
Non-S&E postsecondary teachers	6,500	4,000	4,000	2,500	2,000	2,000	1,000	1,500	1,500
Hispanic or Latino	1,500	1,500	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	1,500	500	1,000	D	D	D	D	D	D
Black or African American	2,000	S	D	D	D	D	D	D	D
White	6,000	3,500	4,000	2,000	1,500	1,500	1,000	1,500	1,000
Other	1,000	D	D	D	D	D	D	D	D
Non-S&E precollege/other teachers	16,500	9,000	7,000	6,000	6,000	4,500	5,000	4,500	3,500
Hispanic or Latino	4,000	2,500	2,500	1,500	D	D	1,500	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	S	D	D	D	D	D	D	D	D
Asian	3,000	1,500	1,000	S	2,000	D	D	D	D
Black or African American	5,000	2,500	3,000	2,500	1,500	2,000	1,500	D	D
White	15,500	8,000	6,500	5,500	6,000	4,000	4,500	4,000	3,500
Other	2,500	1,000	D	D	D	D	D	D	D
Sales/marketing occupations	15,500	5,000	6,000	6,000	4,500	5,000	5,000	4,500	5,000
Hispanic or Latino	3,500	2,000	1,500	2,000	D	D	1,500	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	3,500	2,000	1,000	2,000	1,500	1,000	1,500	D	1,500
Black or African American	3,500	1,500	2,000	S	D	D	D	D	D
White	14,500	4,500	6,000	5,500	4,500	5,000	4,500	4,500	5,000
Other	1,000	S	D	D	D	D	D	D	D
Social services/related occupations	14,500	7,500	7,500	6,500	6,000	6,000	4,500	3,500	3,500
Hispanic or Latino	3,000	2,000	2,000	1,500	1,500	D	1,000	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	1,500	S	D	D	D	D	D	D	D
Asian	3,000	2,000	S	1,500	1,000	D	D	D	D
Black or African American	5,000	3,000	2,500	2,000	2,000	2,000	1,000	S	D
White	13,000	6,000	6,500	6,000	5,500	5,500	4,500	3,500	3,000
Other	2,000	1,500	1,000	D	D	D	D	D	D
Other non-S&E occupations	17,500	8,000	7,000	7,000	7,000	7,000	6,500	4,500	5,000
Hispanic or Latino	3,000	2,000	1,500	1,500	1,500	2,000	D	1,500	D
Not Hispanic or Latino									
American Indian or Alaska Native	1,000	500	D	D	D	D	D	D	D
Asian	4,500	2,000	2,500	2,000	1,500	1,000	1,500	1,500	2,000
Black or African American	4,500	2,500	1,500	2,000	2,000	S	S	D	D
White	17,000	7,000	7,000	6,000	6,500	7,000	6,000	4,000	4,500
Other	2,000	1,500	S	D	D	D	D	D	D
Doctoral degrees, all occupations	10,000	5,500	3,500	4,000	3,500	3,500	3,500	2,500	2,500
Hispanic or Latino	2,000	1,500	1,000	1,000	1,000	1,000	1,000	500	500

TABLE A-11. Standard errors for employed U.S. scientists and engineers, by level of highest degree, occupation, ethnicity, race, and years since degree: 2008

Highest degree, occupation, ethnicity, and race[a]	Employed scientists and engineers	Years since highest degree							
		<5 years	5–9 years	10–14 years	15–19 years	20–24 years	25–29 years	30–34 years	35+ years
Not Hispanic or Latino									
American Indian or Alaska Native	500	*	500	*	*	*	D	D	D
Asian	3,500	2,000	1,500	2,000	1,500	1,500	1,000	1,000	1,000
Black or African American	2,500	2,000	1,000	1,000	1,000	500	500	500	500
White	9,500	5,000	3,500	3,500	3,500	3,000	3,500	2,000	2,000
Other	1,000	1,000	500	500	500	500	500	500	*
S&E occupations	6,000	3,500	2,000	2,500	2,000	2,000	2,000	1,500	1,500
Hispanic or Latino	1,000	500	500	500	500	500	500	500	500
Not Hispanic or Latino									
American Indian or Alaska Native	500	*	*	*	*	*	D	D	D
Asian	3,000	2,000	1,000	1,500	1,500	1,000	1,000	500	500
Black or African American	1,000	500	500	500	1,000	500	500	500	*
White	5,500	3,000	2,000	2,000	2,000	1,500	2,000	1,500	1,500
Other	1,000	500	500	500	500	500	500	*	*
Science occupations	6,000	3,500	2,000	2,000	2,000	2,000	2,000	1,500	1,500
Hispanic or Latino	1,000	500	500	500	500	500	*	500	500
Not Hispanic or Latino									
American Indian or Alaska Native	500	*	*	*	*	*	D	D	D
Asian	2,500	1,500	1,000	1,500	1,000	1,000	1,000	500	500
Black or African American	1,000	500	500	500	1,000	500	500	500	*
White	5,000	3,000	2,000	2,000	1,500	1,500	2,000	1,500	1,000
Other	1,000	500	500	500	500	*	*	*	*
Biological/agricultural/other life scientists	3,500	2,000	1,500	1,500	1,500	1,500	1,000	1,000	1,000
Hispanic or Latino	1,000	500	500	500	500	*	*	*	*
Not Hispanic or Latino									
American Indian or Alaska Native	*	D	D	D	D	D	D	D	D
Asian	2,000	500	1,000	1,000	1,000	1,000	500	500	500
Black or African American	1,000	500	500	500	1,000	*	*	*	D
White	3,000	2,000	1,000	1,000	1,000	1,000	1,000	500	1,000
Other	500	500	*	*	*	*	*	D	D
Agricultural/food scientists	1,000	500	500	500	500	500	500	500	500
Hispanic or Latino	*	*	*	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	500	*	*	*	D	*	D	D	D
Black or African American	S	*	*	*	D	D	D	D	D
White	500	500	500	500	500	500	500	500	*
Other	*	D	D	D	D	D	D	D	D
Biological/medical scientists	3,000	2,000	1,000	1,500	1,500	1,000	1,000	500	500
Hispanic or Latino	500	500	500	500	500	*	D	*	*
Not Hispanic or Latino									
American Indian or Alaska Native	*	D	D	D	D	D	D	D	D
Asian	1,500	500	1,000	1,000	1,000	1,000	500	500	*
Black or African American	500	500	*	*	S	*	D	*	D
White	2,500	2,000	1,000	1,000	1,000	1,000	1,000	500	500
Other	500	500	*	*	*	D	D	D	D
Environmental life scientists	500	*	*	*	*	*	D	D	*
Hispanic or Latino	*	D	*	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	*	D	D	D	D	D	D	D	D
Black or African American	D	D	D	D	D	D	D	D	D

TABLE A-11. Standard errors for employed U.S. scientists and engineers, by level of highest degree, occupation, ethnicity, race, and years since degree: 2008

Highest degree, occupation, ethnicity, and race[a]	Employed scientists and engineers	Years since highest degree							
		<5 years	5–9 years	10–14 years	15–19 years	20–24 years	25–29 years	30–34 years	35+ years
White	500	*	*	*	D	*	D	D	D
Other	D	D	D	D	D	D	D	D	D
Postsecondary teachers-life/ related sciences	1,500	500	1,000	1,000	1,000	1,000	500	500	500
Hispanic or Latino	500	*	*	500	*	*	D	*	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	1,000	*	500	*	500	S	*	*	*
Black or African American	500	*	*	*	*	*	D	*	D
White	1,500	500	1,000	500	500	500	500	500	500
Other	500	D	D	D	D	D	D	D	D
Computer/mathematical scientists	3,000	2,000	1,500	1,500	1,000	1,000	1,000	1,000	500
Hispanic or Latino	500	*	*	*	*	*	*	*	*
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	1,500	1,000	500	1,000	500	500	500	500	500
Black or African American	500	500	*	*	*	*	*	*	*
White	3,000	1,500	1,500	1,500	1,000	1,000	1,000	1,000	500
Other	500	*	*	*	D	*	D	D	D
Computer/information scientists	2,500	1,500	1,500	1,000	1,000	1,000	1,000	1,000	500
Hispanic or Latino	500	*	*	*	*	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	1,000	1,000	500	1,000	500	500	*	*	*
Black or African American	*	*	*	D	D	D	D	D	D
White	2,500	1,500	1,500	1,000	500	1,000	1,000	1,000	500
Other	*	*	*	D	D	D	D	D	D
Mathematical scientists	1,500	500	500	1,000	500	500	500	500	500
Hispanic or Latino	*	*	*	*	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	500	500	500	500	*	*	*	D	D
Black or African American	*	D	*	D	D	D	D	D	D
White	1,500	500	500	1,000	500	500	500	500	500
Other	*	D	D	D	D	D	D	D	D
Postsecondary teachers-computer/ mathematical sciences	1,500	1,000	1,000	500	500	500	500	500	500
Hispanic or Latino	500	*	*	*	*	*	D	D	*
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	500	500	500	500	500	500	*	*	*
Black or African American	500	500	*	*	*	D	D	D	*
White	1,500	1,000	500	500	500	500	500	500	500
Other	*	*	D	D	D	D	D	D	D
Physical/related scientists	2,000	1,000	1,000	1,000	1,000	1,000	1,000	500	1,000
Hispanic or Latino	500	500	*	*	*	*	*	*	*
Not Hispanic or Latino									
American Indian or Alaska Native	*	D	D	D	D	D	D	D	D
Asian	1,000	500	500	500	500	500	500	500	500
Black or African American	500	500	*	*	*	*	*	*	D
White	2,000	1,000	500	1,000	1,000	1,000	1,000	500	500
Other	500	*	*	*	*	D	*	D	D

TABLE A-11. Standard errors for employed U.S. scientists and engineers, by level of highest degree, occupation, ethnicity, race, and years since degree: 2008

Highest degree, occupation, ethnicity, and race[a]	Employed scientists and engineers	Years since highest degree							
		<5 years	5–9 years	10–14 years	15–19 years	20–24 years	25–29 years	30–34 years	35+ years
Chemists, except biochemists	1,500	500	500	1,000	500	500	1,000	500	500
Hispanic or Latino	500	*	*	*	*	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	1,000	500	500	500	500	*	500	*	*
Black or African American	500	*	*	D	*	D	D	D	D
White	1,000	500	500	500	500	500	500	500	500
Other	*	*	*	D	D	D	D	D	D
Earth/atmospheric/ocean scientists	1,000	500	500	500	500	500	500	500	500
Hispanic or Latino	*	*	*	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	500	500	*	*	*	*	*	D	D
Black or African American	*	D	D	D	D	D	D	D	D
White	1,000	500	500	500	500	500	500	500	500
Other	*	D	*	D	D	D	D	D	D
Physicists/astronomers	1,000	500	500	500	500	500	500	500	500
Hispanic or Latino	*	*	D	*	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	500	500	*	*	*	*	*	D	D
Black or African American	*	D	D	D	D	D	D	D	D
White	1,000	500	500	500	500	500	500	500	500
Other	*	D	D	D	D	D	D	D	D
Postsecondary teachers-physical/ related sciences	1,500	500	500	500	500	500	500	500	500
Hispanic or Latino	500	*	*	*	*	*	*	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	500	*	500	500	500	*	*	*	*
Black or African American	500	*	*	*	*	D	D	*	D
White	1,500	500	500	500	500	500	500	500	500
Other	*	*	*	D	D	D	D	D	D
Other physical/related scientists	1,000	500	500	500	*	*	*	*	*
Hispanic or Latino	*	D	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	500	500	D	*	D	D	D	D	D
Black or African American	*	D	D	D	D	D	D	D	D
White	500	500	*	*	*	*	*	*	*
Other	D	D	D	D	D	D	D	D	D
Social/related scientists	3,000	2,000	1,000	1,000	1,500	1,000	1,500	1,000	1,000
Hispanic or Latino	500	500	500	500	500	*	*	*	D
Not Hispanic or Latino									
American Indian or Alaska Native	500	D	*	*	*	D	D	D	D
Asian	1,000	1,000	500	500	1,000	*	*	*	*
Black or African American	500	500	500	500	500	*	500	*	*
White	2,500	1,500	1,000	1,000	1,000	1,000	1,500	1,000	1,000
Other	500	500	*	500	*	*	*	*	*
Economists	500	500	500	500	500	500	500	500	500
Hispanic or Latino	*	*	*	D	D	D	D	D	D

TABLE A-11. Standard errors for employed U.S. scientists and engineers, by level of highest degree, occupation, ethnicity, race, and years since degree: 2008

Highest degree, occupation, ethnicity, and race[a]	Employed scientists and engineers	Years since highest degree							
		<5 years	5–9 years	10–14 years	15–19 years	20–24 years	25–29 years	30–34 years	35+ years
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	500	500	*	*	*	*	D	D	D
Black or African American	*	*	D	D	D	D	D	D	D
White	500	500	500	500	500	500	500	500	500
Other	*	D	D	D	D	D	D	D	D
Political/related scientists	500	*	*	*	*	D	*	D	*
Hispanic or Latino	*	D	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	*	D	D	D	D	D	D	D	D
Black or African American	*	D	D	D	D	D	D	D	D
White	500	D	*	D	*	D	D	D	D
Other	D	D	D	D	D	D	D	D	D
Postsecondary teachers-social/ related sciences	2,500	1,000	1,000	1,000	1,000	1,000	1,000	500	500
Hispanic or Latino	500	500	500	*	*	*	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	*	D	*	*	D	D	D	D	D
Asian	1,000	500	500	500	1,000	*	*	*	D
Black or African American	500	500	500	500	500	*	*	*	D
White	2,000	1,000	1,000	1,000	1,000	1,000	1,000	500	500
Other	500	*	*	*	D	*	D	*	D
Psychologists	2,000	1,500	1,000	500	1,000	500	500	500	500
Hispanic or Latino	500	500	*	*	*	*	*	*	D
Not Hispanic or Latino									
American Indian or Alaska Native	*	D	*	D	*	D	D	D	D
Asian	1,000	S	*	*	*	*	D	D	D
Black or African American	500	500	*	*	*	*	*	*	D
White	1,500	1,000	1,000	500	1,000	500	500	500	500
Other	500	*	*	*	D	D	*	D	D
Sociologists/anthropologists	500	500	500	500	500	*	*	*	*
Hispanic or Latino	*	D	*	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	*	*	D	D	D	D	D	D	D
Black or African American	*	*	D	D	D	D	D	D	D
White	500	500	*	500	*	*	*	*	*
Other	*	*	D	D	D	D	D	D	D
Other social/related scientists	1,000	500	500	500	500	500	500	500	*
Hispanic or Latino	*	*	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	500	*	*	S	*	D	D	D	D
Black or African American	*	*	*	D	D	D	D	D	D
White	1,000	500	500	500	500	500	500	*	*
Other	*	D	D	D	D	D	D	D	D
Engineering occupations	2,500	1,500	1,000	1,500	1,000	1,000	1,000	1,000	1,000
Hispanic or Latino	500	500	500	*	*	*	*	*	D
Not Hispanic or Latino									
American Indian or Alaska Native	*	*	D	D	D	D	D	D	D
Asian	1,500	1,500	1,000	1,000	500	500	500	500	500

TABLE A-11. Standard errors for employed U.S. scientists and engineers, by level of highest degree, occupation, ethnicity, race, and years since degree: 2008

Highest degree, occupation, ethnicity, and race[a]	Employed scientists and engineers	Years since highest degree							
		<5 years	5–9 years	10–14 years	15–19 years	20–24 years	25–29 years	30–34 years	35+ years
Black or African American	500	500	500	*	*	*	*	*	D
White	2,000	1,000	500	1,000	1,000	500	500	500	1,000
Other	500	*	*	*	*	*	D	D	D
Aerospace/aeronautical/astronautical engineers	1,000	500	500	500	500	500	*	500	500
Hispanic or Latino	*	D	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	500	*	D	*	*	*	D	D	D
Black or African American	*	D	D	D	D	D	D	D	D
White	1,000	500	500	500	500	500	*	500	500
Other	D	D	D	D	D	D	D	D	D
Chemical engineers	1,000	500	500	500	500	500	500	500	500
Hispanic or Latino	*	*	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	500	500	*	500	500	*	D	*	D
Black or African American	*	*	*	D	D	D	D	D	D
White	500	500	500	500	500	500	*	500	500
Other	D	D	D	D	D	D	D	D	D
Civil/architectural/sanitary engineers	1,000	500	500	500	*	*	*	*	500
Hispanic or Latino	*	*	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	500	500	*	*	D	D	D	D	*
Black or African American	*	D	D	D	D	D	D	D	D
White	500	500	500	500	*	*	*	D	*
Other	D	D	D	D	D	D	D	D	D
Electrical/computer hardware engineers	1,500	1,000	500	500	1,000	500	500	500	500
Hispanic or Latino	*	*	*	D	*	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	1,000	500	500	500	500	500	*	*	*
Black or African American	*	*	*	D	D	D	D	D	D
White	1,000	1,000	500	500	500	500	500	500	500
Other	*	D	D	D	D	D	D	D	D
Industrial engineers	500	*	S	*	*	*	*	*	D
Hispanic or Latino	*	D	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	500	D	D	*	D	D	D	D	D
Black or African American	*	D	D	D	D	D	D	D	D
White	500	D	*	D	D	*	*	D	D
Other	D	D	D	D	D	D	D	D	D
Mechanical engineers	1,000	500	500	500	500	500	500	500	500
Hispanic or Latino	*	D	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	500	500	500	500	500	*	*	D	D
Black or African American	*	D	D	D	D	D	D	D	D
White	500	500	500	500	500	500	500	*	500
Other	D	D	D	D	D	D	D	D	D

TABLE A-11. Standard errors for employed U.S. scientists and engineers, by level of highest degree, occupation, ethnicity, race, and years since degree: 2008

Highest degree, occupation, ethnicity, and race[a]	Employed scientists and engineers	Years since highest degree							
		<5 years	5–9 years	10–14 years	15–19 years	20–24 years	25–29 years	30–34 years	35+ years
Postsecondary teachers-engineering	1,500	1,000	500	500	500	500	500	500	500
Hispanic or Latino	500	*	*	*	*	*	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	1,000	1,000	500	500	500	*	*	500	*
Black or African American	500	D	*	*	*	D	D	*	D
White	1,000	500	500	500	500	500	500	500	500
Other	*	D	D	D	D	D	D	D	D
Other engineers	1,500	1,000	500	1,000	500	500	500	500	500
Hispanic or Latino	500	*	*	*	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	1,000	1,000	500	500	500	*	500	*	*
Black or African American	*	*	*	D	D	D	D	D	D
White	1,000	500	500	1,000	500	500	500	500	500
Other	*	*	D	D	D	D	D	D	D
S&E-related occupations	4,500	2,500	1,000	2,000	1,500	1,000	2,000	1,000	1,000
Hispanic or Latino	1,000	500	500	500	500	*	S	*	D
Not Hispanic or Latino									
American Indian or Alaska Native	*	D	D	D	D	D	D	D	D
Asian	1,500	1,000	500	1,000	500	500	500	500	500
Black or African American	1,000	1,000	500	500	*	*	*	*	*
White	4,000	2,500	1,000	2,000	1,500	1,000	2,000	1,000	1,000
Other	500	500	*	*	*	*	*	D	D
Health occupations	3,500	2,500	1,000	1,000	1,000	1,000	1,500	1,000	1,000
Hispanic or Latino	1,000	500	500	*	*	*	S	*	D
Not Hispanic or Latino									
American Indian or Alaska Native	*	D	D	D	D	D	D	D	D
Asian	1,500	1,000	500	500	500	500	500	*	500
Black or African American	1,000	1,000	500	*	*	*	*	*	*
White	3,000	2,500	500	1,000	1,000	500	1,500	500	500
Other	500	*	*	*	*	D	D	D	D
S&E managers	1,500	1,000	500	500	500	500	500	500	500
Hispanic or Latino	500	*	*	*	*	*	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	500	*	500	500	500	500	500	*	*
Black or African American	500	*	*	*	*	*	*	D	D
White	1,500	1,000	500	500	500	500	500	500	500
Other	500	*	D	*	D	D	D	D	D
S&E precollege teachers	3,000	1,000	1,000	1,500	1,000	500	S	*	500
Hispanic or Latino	*	D	*	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	*	D	D	D	D	D	D	D	D
Black or African American	500	*	*	D	D	D	D	D	D
White	3,000	1,000	1,000	1,500	1,000	S	S	*	500
Other	D	D	D	D	D	D	D	D	D
S&E technicians/technologists	1,000	500	*	500	500	500	*	*	*
Hispanic or Latino	*	D	D	D	D	D	D	D	D

TABLE A-11. Standard errors for employed U.S. scientists and engineers, by level of highest degree, occupation, ethnicity, race, and years since degree: 2008

Highest degree, occupation, ethnicity, and race[a]	Employed scientists and engineers	Years since highest degree							
		<5 years	5–9 years	10–14 years	15–19 years	20–24 years	25–29 years	30–34 years	35+ years
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	500	500	*	500	*	D	D	D	D
Black or African American	D	D	D	D	D	D	D	D	D
White	1,000	*	D	D	*	S	*	*	D
Other	D	D	D	D	D	D	D	D	D
Other S&E-related occupations	500	D	D	S	D	D	D	D	D
Hispanic or Latino	D	D	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	500	D	D	D	D	D	D	D	D
Black or African American	D	D	D	D	D	D	D	D	D
White	*	D	D	D	D	D	D	D	D
Other	D	D	D	D	D	D	D	D	D
Non-S&E occupations	7,000	4,000	3,000	3,000	3,000	3,000	2,500	2,000	2,000
Hispanic or Latino	2,000	1,500	500	1,000	500	1,000	500	*	*
Not Hispanic or Latino									
American Indian or Alaska Native	*	D	*	D	D	D	D	D	D
Asian	2,000	1,000	1,000	1,000	1,000	1,500	500	500	500
Black or African American	2,000	2,000	500	500	500	500	500	500	*
White	7,000	3,000	3,000	3,000	3,000	2,500	2,500	2,000	2,000
Other	1,000	S	500	*	*	*	*	*	*
Arts/humanities/related occupations	1,000	1,000	500	500	500	500	500	500	500
Hispanic or Latino	*	*	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	500	*	D	D	*	D	D	D	D
Black or African American	*	D	D	D	D	D	D	D	D
White	1,000	1,000	500	500	500	500	500	500	500
Other	D	D	D	D	D	D	D	D	D
Management-related occupations	3,500	2,000	1,500	1,500	1,500	1,500	1,000	500	500
Hispanic or Latino	1,000	*	*	*	*	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	1,000	500	500	1,000	500	*	*	*	D
Black or African American	S	S	*	*	D	*	D	*	D
White	2,500	500	1,500	1,500	1,500	1,500	500	500	500
Other	*	*	D	*	D	D	D	D	D
Non-S&E managers	4,000	2,000	2,000	2,000	1,500	1,500	2,000	1,000	1,000
Hispanic or Latino	1,000	*	500	S	*	*	*	*	*
Not Hispanic or Latino									
American Indian or Alaska Native	*	D	D	D	D	D	D	D	D
Asian	1,000	*	*	500	500	500	500	500	500
Black or African American	1,000	*	*	S	*	*	500	*	*
White	3,500	2,000	1,500	2,000	1,500	1,500	2,000	500	1,000
Other	500	D	*	D	*	D	*	D	D
Non-S&E postsecondary teachers	3,500	2,000	2,000	1,500	1,000	1,000	2,000	1,000	1,000
Hispanic or Latino	1,000	500	*	500	*	D	*	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	1,000	1,000	1,000	500	500	*	*	D	D
Black or African American	1,000	*	500	500	*	*	D	*	D

TABLE A-11. Standard errors for employed U.S. scientists and engineers, by level of highest degree, occupation, ethnicity, race, and years since degree: 2008

Highest degree, occupation, ethnicity, and race[a]	Employed scientists and engineers	Years since highest degree							
		<5 years	5–9 years	10–14 years	15–19 years	20–24 years	25–29 years	30–34 years	35+ years
White	3,500	2,000	1,500	1,500	1,000	1,000	2,000	1,000	500
Other	500	*	D	D	D	D	D	D	D
Non-S&E precollege/other teachers	2,000	S	500	500	S	*	*	D	S
Hispanic or Latino	S	D	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	D	D	D	D	D	D	D	D	D
Black or African American	500	D	D	D	D	D	D	D	D
White	1,500	S	*	500	S	*	*	D	D
Other	*	D	D	D	D	D	D	D	D
Sales/marketing occupations	2,000	500	500	500	500	1,000	500	1,500	500
Hispanic or Latino	S	D	D	D	*	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	1,000	*	S	*	*	1,000	D	*	D
Black or African American	*	D	D	D	D	D	D	D	D
White	1,500	500	500	500	500	500	500	1,500	500
Other	*	D	D	D	D	D	D	D	D
Social services/related occupations	2,500	1,500	500	500	1,500	1,000	S	S	S
Hispanic or Latino	*	*	*	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	500	D	*	D	D	D	D	D	D
Black or African American	500	*	*	*	S	D	D	D	D
White	2,500	1,500	500	500	1,500	S	S	S	S
Other	S	D	D	D	D	D	D	D	D
Other non-S&E occupations	2,000	1,500	1,000	1,500	1,000	1,000	500	500	500
Hispanic or Latino	1,500	S	*	*	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	500	*	*	*	*	D	*	D	D
Black or African American	500	*	*	*	*	D	D	D	D
White	2,000	1,000	1,000	1,500	500	500	500	500	500
Other	*	D	D	D	D	D	D	D	D

* = standard error is not computed when value < 500. 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 2007, plus any person holding non-S&E bachelor's or higher degree who was employed in S&E or S&E-related occupation in 2003. See http://sestat.nsf.gov/docs/occ03maj.html for detailed description of occupational 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.

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

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 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

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
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

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 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

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
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.

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		Sex		Hispanic or Latino	Not Hispanic or Latino				
		Male	Female		American Indian or Alaska Native	Asian	Black or African American	White	Other[a]
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

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		Sex		Hispanic or Latino	Not Hispanic or Latino				
		Male	Female		American Indian or Alaska Native	Asian	Black or African American	White	Other[a]
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

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		Sex		Hispanic or Latino	Not Hispanic or Latino				
		Male	Female		American Indian or Alaska Native	Asian	Black or African American	White	Other[a]
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

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		Sex		Hispanic or Latino	Not Hispanic or Latino				
		Male	Female		American Indian or Alaska Native	Asian	Black or African American	White	Other[a]
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.

TABLE A-14. Standard errors of median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, citizenship status, and employment sector: 2008

Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment: Business/ industry	4-year college/ university	Other educational institution	Government
All degree levels and occupations[a]	1,000	1,500	1,000	1,000	1,500
U.S. citizen	1,000	1,000	1,000	1,000	2,000
Native-born	500	1,000	1,000	1,000	1,000
Naturalized	1,000	1,000	1,500	3,000	6,000
Non-U.S. citizen	500	1,500	2,500	5,500	5,000
Permanent resident	1,500	2,000	3,000	4,000	5,000
Temporary resident	2,000	3,000	1,000	6,000	5,000
S&E occupations	500	500	500	2,500	1,500
U.S. citizen	500	500	2,000	2,500	1,000
Native-born	1,000	1,500	2,000	2,000	2,000
Naturalized	1,000	1,500	2,500	4,500	1,500
Non-U.S. citizen	500	1,500	1,500	8,000	4,000
Permanent resident	500	2,500	3,000	13,500	4,500
Temporary resident	4,000	6,000	2,500	13,000	13,000
Science occupations	500	1,500	500	1,500	500
U.S. citizen	500	1,000	1,500	1,500	500
Native-born	500	1,000	4,000	2,000	500
Naturalized	1,000	500	2,500	5,000	2,500
Non-U.S. citizen	500	2,000	4,000	7,000	3,500
Permanent resident	1,000	2,500	6,000	13,500	7,000
Temporary resident	5,000	500	500	13,000	3,500
Biological/agricultural/other life scientists	5,000	2,500	2,500	4,000	2,000
U.S. citizen	3,500	2,000	1,500	4,000	2,000
Native-born	1,000	4,500	2,000	4,000	1,500
Naturalized	4,000	4,500	4,000	16,500	6,500
Non-U.S. citizen	5,000	6,500	3,000	3,500	6,000
Permanent resident	4,000	4,000	3,500	3,500	7,500
Temporary resident	1,000	4,500	1,500	D	1,500
Agricultural/food scientists	4,000	7,000	2,500	D	6,000
U.S. citizen	4,000	6,500	1,500	D	6,000
Native-born	5,000	5,500	2,000	D	6,000
Naturalized	5,500	4,500	8,000	D	20,500
Non-U.S. citizen	13,500	9,500	S	D	D
Permanent resident	16,000	19,000	S	D	D
Temporary resident	6,500	1,000	3,000	D	D
Biological/medical scientists	1,000	2,500	1,000	D	1,500
U.S. citizen	1,500	6,500	2,000	D	1,500
Native-born	2,500	2,500	1,000	D	4,000
Naturalized	5,000	5,000	5,500	D	13,000
Non-U.S. citizen	3,000	3,000	3,000	D	6,000
Permanent resident	6,000	3,000	1,000	D	6,500
Temporary resident	2,500	8,000	1,500	D	1,500
Environmental life scientists	3,000	8,000	S	D	3,500
U.S. citizen	3,500	8,500	16,500	D	3,500
Native-born	5,000	12,000	16,500	D	3,500
Naturalized	D	D	D	D	D
Non-U.S. citizen	D	D	D	D	D
Permanent resident	D	D	D	D	D
Temporary resident	D	D	D	D	D

TABLE A-14. Standard errors of median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, citizenship status, and employment sector: 2008

Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment: Business/ industry	4-year college/ university	Other educational institution	Government
Postsecondary teachers-life/related sciences	4,500	D	4,500	4,000	3,500
U.S. citizen	3,000	8,500	4,500	4,000	3,500
Native-born	2,500	8,000	3,500	4,000	3,000
Naturalized	5,500	D	6,000	18,000	D
Non-U.S. citizen	4,500	D	5,000	3,500	D
Permanent resident	6,000	D	6,000	3,500	D
Temporary resident	19,000	D	19,000	D	D
Computer/mathematical scientists	500	1,000	1,500	1,500	2,000
U.S. citizen	1,500	1,000	1,500	1,500	2,000
Native-born	500	1,500	1,000	3,000	2,500
Naturalized	1,000	1,500	2,000	6,500	2,500
Non-U.S. citizen	2,500	500	8,500	16,500	6,000
Permanent resident	3,500	2,500	5,500	9,000	6,500
Temporary resident	1,000	2,500	7,000	D	20,000
Computer/information scientists	1,500	1,000	3,000	3,000	2,000
U.S. citizen	1,500	1,000	3,000	3,000	2,000
Native-born	500	1,500	1,000	1,500	3,500
Naturalized	3,500	1,500	2,000	5,500	2,500
Non-U.S. citizen	1,500	500	7,000	D	6,500
Permanent resident	2,500	2,500	19,000	D	7,000
Temporary resident	2,500	2,500	6,000	D	8,500
Mathematical scientists	6,500	4,000	11,000	13,000	8,000
U.S. citizen	6,500	4,500	17,000	9,000	8,000
Native-born	4,500	4,500	5,500	D	8,000
Naturalized	7,500	6,500	13,500	D	15,000
Non-U.S. citizen	6,000	3,000	8,000	D	4,000
Permanent resident	1,000	3,500	8,500	D	D
Temporary resident	5,500	2,500	1,500	D	D
Postsecondary teachers-computer/mathematical sciences	2,000	S	2,500	5,500	3,500
U.S. citizen	2,500	S	5,000	5,500	2,500
Native-born	3,500	S	4,500	9,000	2,500
Naturalized	4,000	D	5,000	2,000	D
Non-U.S. citizen	5,500	D	4,000	14,000	D
Permanent resident	7,500	D	8,000	6,500	D
Temporary resident	7,000	D	4,000	D	D
Physical/related scientists	2,000	4,500	5,500	5,500	2,500
U.S. citizen	1,500	2,500	1,500	5,500	3,000
Native-born	1,500	2,500	1,500	7,500	3,000
Naturalized	3,500	4,500	7,000	S	6,500
Non-U.S. citizen	5,500	4,000	2,000	7,000	6,000
Permanent resident	2,000	6,000	4,000	D	16,500
Temporary resident	2,000	6,000	2,000	D	2,500
Chemists, except biochemists	2,000	3,000	4,000	D	4,000
U.S. citizen	2,000	2,500	1,500	D	4,000
Native-born	4,000	3,000	1,000	D	5,500
Naturalized	3,000	4,500	1,000	D	5,000
Non-U.S. citizen	13,000	5,500	3,500	D	13,000
Permanent resident	8,500	6,500	14,500	D	D
Temporary resident	3,500	2,500	4,000	D	D

TABLE A-14. Standard errors of median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, citizenship status, and employment sector: 2008

Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment			
		Business/ industry	4-year college/ university	Other educational institution	Government
Earth/atmospheric/ocean scientists	3,000	3,500	4,500	D	500
U.S. citizen	3,500	4,000	2,500	D	500
Native-born	3,500	4,500	5,500	D	500
Naturalized	15,000	3,500	15,000	D	17,000
Non-U.S. citizen	5,500	11,000	8,500	D	1,500
Permanent resident	12,000	13,500	11,500	D	D
Temporary resident	12,000	24,000	S	D	D
Physicists/astronomers	3,000	4,000	4,000	D	3,000
U.S. citizen	2,000	5,500	3,000	D	2,500
Native-born	3,500	8,500	13,500	D	2,500
Naturalized	14,000	17,500	16,500	D	11,500
Non-U.S. citizen	8,500	9,000	S	D	17,000
Permanent resident	6,500	4,500	26,000	D	D
Temporary resident	3,000	D	3,000	D	D
Postsecondary teachers-physical/related sciences	3,500	D	5,500	5,500	D
U.S. citizen	3,000	D	4,000	6,000	D
Native-born	3,000	D	2,500	8,000	D
Naturalized	5,000	D	6,000	1,000	D
Non-U.S. citizen	5,500	D	5,500	7,000	D
Permanent resident	6,500	D	6,500	D	D
Temporary resident	1,500	D	1,000	D	D
Other physical/related scientists	3,000	7,000	5,500	D	3,000
U.S. citizen	2,500	6,000	7,000	D	3,000
Native-born	2,500	7,000	6,500	D	4,000
Naturalized	6,500	D	D	D	6,000
Non-U.S. citizen	7,000	8,500	24,000	D	D
Permanent resident	D	D	D	D	D
Temporary resident	27,000	5,000	D	D	D
Social/related scientists	500	4,500	4,000	2,000	4,000
U.S. citizen	500	8,500	1,500	2,000	4,000
Native-born	500	3,500	1,500	1,500	4,000
Naturalized	7,500	8,000	3,500	5,500	20,000
Non-U.S. citizen	9,500	9,500	5,500	22,000	20,000
Permanent resident	4,500	8,500	7,500	11,500	26,000
Temporary resident	6,500	7,000	1,500	D	D
Economists	9,000	22,000	S	D	13,500
U.S. citizen	11,500	20,500	S	D	15,000
Native-born	11,500	27,500	S	D	16,000
Naturalized	23,000	23,000	S	D	9,000
Non-U.S. citizen	14,000	19,500	S	D	D
Permanent resident	13,500	17,000	50,000	D	D
Temporary resident	27,000	38,000	3,500	D	D
Political/related scientists	17,500	5,500	9,000	D	14,500
U.S. citizen	13,000	7,000	S	D	14,500
Native-born	29,000	13,500	S	D	15,000
Naturalized	6,000	D	D	D	D
Non-U.S. citizen	S	D	1,000	D	D
Permanent resident	D	D	D	D	D
Temporary resident	D	D	1,000	D	D

TABLE A-14. Standard errors of median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, citizenship status, and employment sector: 2008

Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment: Business/ industry	4-year college/ university	Other educational institution	Government
Postsecondary teachers-social/related sciences	2,500	8,000	3,000	13,000	9,000
U.S. citizen	3,000	9,000	2,500	13,000	9,000
Native-born	2,500	D	3,500	14,500	3,000
Naturalized	3,000	D	2,500	12,500	D
Non-U.S. citizen	21,500	D	21,500	S	D
Permanent resident	3,000	D	3,500	D	D
Temporary resident	2,500	D	2,500	D	D
Psychologists	2,000	1,000	3,000	2,500	4,500
U.S. citizen	1,500	1,000	3,500	2,500	4,500
Native-born	1,500	500	1,000	3,000	5,000
Naturalized	5,500	3,500	1,000	11,500	5,500
Non-U.S. citizen	22,500	5,000	S	D	D
Permanent resident	14,000	17,500	D	D	D
Temporary resident	S	D	D	D	D
Sociologists/anthropologists	3,000	21,000	500	S	4,000
U.S. citizen	3,000	S	500	S	4,000
Native-born	3,000	25,500	500	S	2,500
Naturalized	S	D	14,500	D	D
Non-U.S. citizen	S	D	11,000	D	D
Permanent resident	S	D	S	D	D
Temporary resident	D	D	16,500	D	D
Other social/related scientists	4,500	4,000	7,000	11,000	3,500
U.S. citizen	7,000	4,500	4,500	11,000	4,000
Native-born	5,500	5,000	5,000	21,000	3,500
Naturalized	16,500	8,500	13,500	D	D
Non-U.S. citizen	12,500	8,000	8,000	D	D
Permanent resident	12,000	18,000	11,500	D	D
Temporary resident	3,000	16,000	4,000	D	D
Engineering occupations	1,000	1,000	2,500	6,000	1,500
U.S. citizen	2,000	1,500	7,000	6,000	1,000
Native-born	500	1,000	3,500	6,500	1,000
Naturalized	2,000	2,500	6,500	D	2,500
Non-U.S. citizen	2,000	2,000	6,000	D	4,500
Permanent resident	3,500	2,500	7,000	D	5,000
Temporary resident	500	1,000	500	D	7,500
Aerospace/aeronautical/astronautical engineers	2,500	3,000	4,500	D	5,500
U.S. citizen	2,500	3,000	11,500	D	5,500
Native-born	2,000	3,000	4,500	D	6,500
Naturalized	5,000	5,000	21,000	D	S
Non-U.S. citizen	9,500	12,500	4,500	D	D
Permanent resident	9,500	5,000	17,000	D	D
Temporary resident	S	2,000	2,000	D	D
Chemical engineers	2,500	2,500	4,000	D	8,000
U.S. citizen	2,500	2,500	4,000	D	7,000
Native-born	2,500	2,500	5,000	D	5,500
Naturalized	4,000	3,500	S	D	S
Non-U.S. citizen	14,500	9,000	1,500	D	D
Permanent resident	6,000	3,000	S	D	D
Temporary resident	31,500	3,000	1,500	D	D

TABLE A-14. Standard errors of median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, citizenship status, and employment sector: 2008

Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment: Business/ industry	4-year college/ university	Other educational institution	Government
Civil/architectural/sanitary engineers	1,000	500	S	D	1,000
U.S. citizen	500	500	S	D	1,500
Native-born	500	500	8,000	D	2,500
Naturalized	2,500	4,500	13,500	D	3,500
Non-U.S. citizen	2,500	2,000	10,500	D	5,500
Permanent resident	9,500	8,500	D	D	D
Temporary resident	1,500	2,000	15,500	D	D
Electrical/computer hardware engineers	1,500	1,500	15,000	15,500	3,000
U.S. citizen	1,500	1,500	15,000	15,500	3,000
Native-born	1,500	1,500	12,000	D	4,000
Naturalized	500	1,500	5,000	D	2,500
Non-U.S. citizen	1,000	1,500	14,500	D	D
Permanent resident	4,000	5,000	2,000	D	D
Temporary resident	1,500	1,500	500	D	D
Industrial engineers	3,000	3,500	S	D	500
U.S. citizen	3,000	2,500	S	D	500
Native-born	2,000	3,000	S	D	500
Naturalized	4,500	3,500	D	D	D
Non-U.S. citizen	2,500	3,000	1,000	D	D
Permanent resident	39,000	39,000	D	D	D
Temporary resident	3,000	3,000	1,000	D	D
Mechanical engineers	1,000	1,000	20,500	D	3,000
U.S. citizen	1,000	1,000	16,500	D	3,500
Native-born	1,500	1,500	16,000	D	4,500
Naturalized	1,000	1,500	S	D	2,500
Non-U.S. citizen	2,000	1,500	4,500	D	D
Permanent resident	5,000	5,000	D	D	D
Temporary resident	1,500	7,000	5,000	D	D
Postsecondary teachers-engineering	5,000	D	1,500	7,000	25,500
U.S. citizen	4,000	D	6,000	7,000	25,500
Native-born	1,500	D	5,500	6,500	D
Naturalized	5,500	D	4,500	D	D
Non-U.S. citizen	4,000	D	3,500	D	D
Permanent resident	3,500	D	4,000	D	D
Temporary resident	S	D	S	D	D
Other engineers	2,500	500	13,500	D	2,500
U.S. citizen	1,500	1,500	3,500	D	2,500
Native-born	2,500	500	7,000	D	4,000
Naturalized	5,000	4,000	S	D	5,000
Non-U.S. citizen	6,500	1,500	1,500	D	11,000
Permanent resident	3,500	7,000	2,000	D	5,000
Temporary resident	3,500	7,500	9,500	D	D
S&E-related occupations	1,000	2,000	3,000	1,000	2,000
U.S. citizen	1,000	2,000	3,500	1,000	2,500
Native-born	500	1,000	1,000	1,000	2,500
Naturalized	500	2,500	7,000	3,500	3,000
Non-U.S. citizen	4,500	2,000	20,500	6,500	13,500
Permanent resident	5,000	5,000	6,500	5,000	13,500
Temporary resident	12,500	1,000	7,500	1,000	D

TABLE A-14. Standard errors of median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, citizenship status, and employment sector: 2008

Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment: Business/ industry	4-year college/ university	Other educational institution	Government
Health occupations	1,000	1,500	10,000	2,500	2,500
U.S. citizen	1,000	1,500	8,500	2,500	2,500
Native-born	1,500	2,500	1,000	2,500	4,500
Naturalized	1,000	3,000	5,500	10,500	4,000
Non-U.S. citizen	10,000	10,500	14,000	S	25,500
Permanent resident	9,500	9,000	15,000	S	22,500
Temporary resident	S	9,000	2,500	D	D
S&E managers, including health	1,000	3,000	4,500	15,500	2,000
U.S. citizen	1,000	3,000	4,000	15,500	2,000
Native-born	2,000	3,500	5,000	20,500	2,000
Naturalized	3,000	2,500	13,000	D	5,000
Non-U.S. citizen	11,500	11,500	2,500	D	D
Permanent resident	11,500	14,500	2,000	D	D
Temporary resident	9,000	8,500	D	D	D
S&E precollege teachers	1,000	D	S	1,500	14,000
U.S. citizen	1,500	D	S	1,500	14,000
Native-born	1,500	D	S	2,000	15,000
Naturalized	2,000	D	D	2,000	D
Non-U.S. citizen	4,500	D	D	4,500	D
Permanent resident	8,000	D	D	8,000	D
Temporary resident	1,000	D	D	1,000	D
S&E technicians/technologists	2,500	2,000	2,000	S	1,500
U.S. citizen	2,500	2,500	2,000	S	1,500
Native-born	2,000	3,000	1,000	S	2,000
Naturalized	3,500	4,000	3,000	D	8,500
Non-U.S. citizen	9,500	3,500	7,500	D	D
Permanent resident	5,500	7,500	5,500	D	D
Temporary resident	5,500	1,500	3,500	D	D
Other S&E-related occupations	1,000	1,000	7,500	D	6,000
U.S. citizen	1,000	1,000	D	D	6,000
Native-born	1,500	1,000	D	D	11,500
Naturalized	5,000	4,500	D	D	6,000
Non-U.S. citizen	9,500	9,500	D	D	D
Permanent resident	11,000	10,500	D	D	D
Temporary resident	S	S	D	D	D
Non-S&E occupations	1,500	500	1,500	1,000	1,500
U.S. citizen	1,000	500	1,000	1,500	2,500
Native-born	1,500	500	2,500	1,000	1,500
Naturalized	2,000	1,000	2,500	2,500	2,500
Non-U.S. citizen	4,000	5,500	1,500	S	2,000
Permanent resident	4,000	5,500	4,000	S	2,000
Temporary resident	5,500	11,000	2,000	500	D
Arts/humanities/related occupations	7,000	4,000	2,000	S	4,000
U.S. citizen	4,000	4,000	2,500	S	4,000
Native-born	3,000	8,000	2,000	S	3,500
Naturalized	7,000	8,500	D	D	13,000
Non-U.S. citizen	11,500	15,000	D	D	D
Permanent resident	S	S	D	D	D
Temporary resident	3,000	3,000	D	D	D

TABLE A-14. Standard errors of median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, citizenship status, and employment sector: 2008

Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment: Business/ industry	4-year college/ university	Other educational institution	Government
Management-related occupations	2,000	500	5,500	6,500	2,500
U.S. citizen	2,000	500	5,500	6,500	2,500
Native-born	2,000	500	5,000	6,500	2,000
Naturalized	4,500	6,500	5,000	D	5,500
Non-U.S. citizen	4,000	4,000	3,500	D	S
Permanent resident	6,000	7,500	1,000	D	S
Temporary resident	1,000	5,500	D	D	D
Non-S&E managers	2,000	2,500	4,500	2,000	4,500
U.S. citizen	2,000	2,000	4,500	2,000	4,500
Native-born	1,500	1,500	3,500	2,000	5,000
Naturalized	3,500	6,500	21,500	20,000	2,500
Non-U.S. citizen	11,000	10,500	24,500	D	D
Permanent resident	12,000	11,500	12,500	D	D
Temporary resident	39,000	D	D	D	D
Non-S&E postsecondary teachers	3,500	13,000	1,500	7,000	1,000
U.S. citizen	3,500	10,000	1,500	6,500	1,000
Native-born	4,500	7,500	1,500	7,000	1,000
Naturalized	10,000	D	10,000	S	D
Non-U.S. citizen	16,000	D	13,500	D	D
Permanent resident	15,000	D	10,500	D	D
Temporary resident	12,000	D	12,000	D	D
Non-S&E precollege/other teachers	1,000	5,000	6,500	1,000	14,000
U.S. citizen	1,500	5,000	6,500	1,000	17,500
Native-born	1,500	5,000	6,500	1,500	S
Naturalized	3,500	S	D	3,500	D
Non-U.S. citizen	S	D	D	S	D
Permanent resident	S	D	D	S	D
Temporary resident	8,000	D	D	D	D
Sales/marketing occupations	3,000	3,000	D	8,500	23,000
U.S. citizen	4,000	3,000	D	8,500	25,000
Native-born	3,000	3,000	D	8,500	27,500
Naturalized	8,000	8,500	D	D	D
Non-U.S. citizen	16,500	16,500	D	D	D
Permanent resident	16,000	16,000	D	D	D
Temporary resident	S	S	D	D	D
Social services/related occupations	1,000	500	2,000	2,000	3,000
U.S. citizen	1,000	1,000	2,500	2,000	3,000
Native-born	1,000	1,000	2,500	2,000	3,000
Naturalized	2,000	2,500	12,000	10,000	6,000
Non-U.S. citizen	13,000	6,500	D	D	7,000
Permanent resident	12,000	9,500	D	D	7,000
Temporary resident	D	D	D	D	D
Other non-S&E occupations	1,500	1,500	2,000	3,000	1,500
U.S. citizen	5,500	2,000	2,000	3,000	2,500
Native-born	1,500	2,000	1,500	4,000	2,000
Naturalized	3,000	2,000	6,500	7,000	4,000
Non-U.S. citizen	6,000	5,000	5,000	S	1,500
Permanent resident	9,000	5,000	1,000	S	1,500
Temporary resident	8,000	D	1,000	D	D

TABLE A-14. Standard errors of median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, citizenship status, and employment sector: 2008

Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment: Business/ industry	4-year college/ university	Other educational institution	Government
Bachelor's degrees, all occupations	500	1,000	1,000	500	500
U.S. citizen	500	1,500	1,500	500	500
Native-born	1,000	1,000	2,000	500	500
Naturalized	1,500	3,000	4,000	1,500	2,000
Non-U.S. citizen	5,000	5,000	2,000	8,000	4,000
Permanent resident	6,000	3,500	8,500	14,000	3,500
Temporary resident	3,500	6,500	1,000	D	D
S&E occupations	500	500	1,500	2,500	500
U.S. citizen	500	500	2,500	2,500	500
Native-born	500	500	3,500	4,500	500
Naturalized	1,500	3,000	8,000	14,500	3,000
Non-U.S. citizen	2,000	1,500	1,500	D	7,000
Permanent resident	1,500	4,000	5,000	D	8,000
Temporary resident	4,500	2,500	2,000	D	D
Science occupations	500	500	2,000	4,500	2,000
U.S. citizen	1,500	2,000	1,000	4,500	2,000
Native-born	500	3,000	2,000	6,500	2,000
Naturalized	3,500	4,500	9,500	15,500	6,000
Non-U.S. citizen	2,500	4,500	1,500	D	4,500
Permanent resident	3,000	5,000	4,000	D	5,000
Temporary resident	8,500	6,500	2,000	D	D
Biological/agricultural/other life scientists	2,500	3,500	500	S	3,500
U.S. citizen	1,000	4,500	500	S	3,500
Native-born	2,000	3,500	500	S	3,000
Naturalized	8,500	2,000	12,000	D	10,000
Non-U.S. citizen	4,000	19,000	3,000	D	D
Permanent resident	6,500	S	5,500	D	D
Temporary resident	1,000	D	D	D	D
Agricultural/food scientists	2,500	3,500	2,500	D	14,000
U.S. citizen	3,000	3,500	6,500	D	14,000
Native-born	3,000	3,500	6,500	D	14,000
Naturalized	D	D	D	D	D
Non-U.S. citizen	D	D	D	D	D
Permanent resident	D	D	D	D	D
Temporary resident	D	D	D	D	D
Biological/medical scientists	1,500	1,500	1,000	D	2,500
U.S. citizen	2,000	1,500	1,000	D	2,500
Native-born	2,000	2,500	1,500	D	4,500
Naturalized	2,500	2,000	7,000	D	4,500
Non-U.S. citizen	2,500	S	2,500	D	D
Permanent resident	7,500	15,500	D	D	D
Temporary resident	1,000	D	D	D	D
Environmental life scientists	6,000	7,500	D	D	4,500
U.S. citizen	5,500	D	D	D	4,500
Native-born	4,500	D	D	D	3,000
Naturalized	D	D	D	D	D
Non-U.S. citizen	D	D	D	D	D
Permanent resident	D	D	D	D	D
Temporary resident	D	D	D	D	D

TABLE A-14. Standard errors of median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, citizenship status, and employment sector: 2008

Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment: Business/ industry	4-year college/ university	Other educational institution	Government
Postsecondary teachers-life/related sciences	4,500	D	1,500	S	D
U.S. citizen	3,000	D	1,500	S	D
Native-born	8,500	D	1,500	S	D
Naturalized	D	D	D	D	D
Non-U.S. citizen	D	D	D	D	D
Permanent resident	D	D	D	D	D
Temporary resident	D	D	D	D	D
Computer/mathematical scientists	1,000	1,500	2,000	2,500	2,500
U.S. citizen	1,500	1,500	1,000	2,500	2,500
Native-born	1,000	500	1,500	2,000	3,000
Naturalized	4,000	2,000	16,500	15,000	2,500
Non-U.S. citizen	4,500	3,000	6,500	D	4,000
Permanent resident	5,500	4,500	26,000	D	4,500
Temporary resident	3,000	5,500	3,500	D	D
Computer/information scientists	500	1,000	1,000	6,500	2,500
U.S. citizen	500	1,500	1,000	6,500	2,500
Native-born	2,500	1,000	500	3,500	3,500
Naturalized	2,500	2,500	3,500	D	3,000
Non-U.S. citizen	4,000	3,000	S	D	4,000
Permanent resident	5,500	4,500	D	D	4,500
Temporary resident	6,000	6,000	D	D	D
Mathematical scientists	7,500	5,000	1,500	D	4,000
U.S. citizen	10,000	5,500	4,500	D	4,000
Native-born	8,000	8,000	5,000	D	5,000
Naturalized	8,000	10,000	D	D	D
Non-U.S. citizen	D	D	D	D	D
Permanent resident	D	D	D	D	D
Temporary resident	D	D	D	D	D
Postsecondary teachers-computer/mathematical sciences	1,500	D	2,500	9,000	D
U.S. citizen	2,500	D	4,500	9,000	D
Native-born	5,500	D	2,500	9,000	D
Naturalized	1,500	D	1,500	D	D
Non-U.S. citizen	3,000	D	3,000	D	D
Permanent resident	D	D	D	D	D
Temporary resident	3,000	D	3,000	D	D
Physical/related scientists	1,000	2,500	1,000	D	4,500
U.S. citizen	1,000	2,500	500	D	4,000
Native-born	2,000	3,500	1,000	D	4,500
Naturalized	6,500	3,500	11,000	D	3,000
Non-U.S. citizen	11,000	14,500	2,000	D	D
Permanent resident	13,000	17,000	D	D	D
Temporary resident	1,000	D	1,000	D	D
Chemists, except biochemists	1,500	2,500	2,500	D	8,500
U.S. citizen	2,500	2,500	500	D	8,500
Native-born	1,500	3,500	1,000	D	8,500
Naturalized	6,500	4,000	D	D	5,500
Non-U.S. citizen	8,000	12,500	D	D	D
Permanent resident	6,500	9,500	D	D	D
Temporary resident	1,500	D	D	D	D

TABLE A-14. Standard errors of median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, citizenship status, and employment sector: 2008

Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment: Business/ industry	4-year college/ university	Other educational institution	Government
Earth/atmospheric/ocean scientists	6,000	7,000	6,000	D	4,000
U.S. citizen	6,500	7,500	6,000	D	4,000
Native-born	6,500	20,500	6,000	D	4,000
Naturalized	19,000	19,000	D	D	D
Non-U.S. citizen	D	D	D	D	D
Permanent resident	D	D	D	D	D
Temporary resident	D	D	D	D	D
Physicists/astronomers	S	D	1,500	D	13,000
U.S. citizen	11,500	9,000	4,000	D	13,000
Native-born	6,000	17,000	7,000	D	13,000
Naturalized	D	D	D	D	D
Non-U.S. citizen	D	D	D	D	D
Permanent resident	D	D	D	D	D
Temporary resident	D	D	D	D	D
Postsecondary teachers-physical/related sciences	2,500	D	2,500	D	D
U.S. citizen	2,000	D	3,500	D	D
Native-born	1,500	D	2,000	D	D
Naturalized	D	D	D	D	D
Non-U.S. citizen	D	D	D	D	D
Permanent resident	D	D	D	D	D
Temporary resident	D	D	D	D	D
Other physical/related scientists	5,500	13,000	D	D	9,000
U.S. citizen	5,500	13,000	D	D	9,000
Native-born	5,500	13,000	D	D	8,500
Naturalized	D	D	D	D	D
Non-U.S. citizen	D	D	D	D	D
Permanent resident	D	D	D	D	D
Temporary resident	D	D	D	D	D
Social/related scientists	4,000	4,500	1,000	8,000	5,500
U.S. citizen	4,500	4,000	1,000	7,000	5,500
Native-born	4,000	7,000	1,000	4,000	8,000
Naturalized	5,500	11,000	6,000	D	13,500
Non-U.S. citizen	1,500	D	1,500	D	D
Permanent resident	S	D	D	D	D
Temporary resident	D	D	D	D	D
Economists	8,500	5,000	D	D	16,500
U.S. citizen	8,500	5,000	D	D	16,500
Native-born	11,500	5,000	D	D	21,500
Naturalized	D	D	D	D	D
Non-U.S. citizen	D	D	D	D	D
Permanent resident	D	D	D	D	D
Temporary resident	D	D	D	D	D
Political/related scientists	1,500	4,500	1,500	D	3,500
U.S. citizen	3,000	4,500	2,000	D	3,500
Native-born	1,000	D	2,000	D	3,500
Naturalized	D	D	D	D	D
Non-U.S. citizen	D	D	D	D	D
Permanent resident	D	D	D	D	D
Temporary resident	D	D	D	D	D

TABLE A-14. Standard errors of median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, citizenship status, and employment sector: 2008

Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment: Business/ industry	4-year college/ university	Other educational institution	Government
Postsecondary teachers-social/related sciences	1,000	D	500	4,000	D
U.S. citizen	2,500	D	1,000	4,000	D
Native-born	2,000	D	500	4,000	D
Naturalized	D	D	D	D	D
Non-U.S. citizen	2,000	D	2,000	D	D
Permanent resident	D	D	D	D	D
Temporary resident	D	D	D	D	D
Psychologists	2,000	1,000	5,500	S	D
U.S. citizen	2,000	1,000	6,000	S	D
Native-born	4,500	1,500	2,500	D	D
Naturalized	2,500	D	5,500	D	D
Non-U.S. citizen	D	D	D	D	D
Permanent resident	D	D	D	D	D
Temporary resident	D	D	D	D	D
Sociologists/anthropologists	2,000	10,000	D	D	D
U.S. citizen	2,000	10,000	D	D	D
Native-born	2,500	5,000	D	D	D
Naturalized	D	D	D	D	D
Non-U.S. citizen	D	D	D	D	D
Permanent resident	D	D	D	D	D
Temporary resident	D	D	D	D	D
Other social/related scientists	4,000	11,500	9,000	D	10,000
U.S. citizen	3,500	13,500	D	D	10,000
Native-born	3,500	11,000	D	D	11,500
Naturalized	19,500	20,000	D	D	D
Non-U.S. citizen	7,500	D	D	D	D
Permanent resident	7,500	D	D	D	D
Temporary resident	D	D	D	D	D
Engineering occupations	2,000	1,000	2,000	8,000	2,500
U.S. citizen	1,500	1,000	4,000	8,000	4,500
Native-born	1,500	1,000	3,000	8,500	3,000
Naturalized	1,000	3,000	1,500	D	4,000
Non-U.S. citizen	7,000	5,500	5,500	D	13,500
Permanent resident	6,500	6,000	D	D	9,500
Temporary resident	5,500	7,500	7,000	D	D
Aerospace/aeronautical/astronautical engineers	4,500	5,000	3,000	D	6,000
U.S. citizen	4,500	4,500	3,000	D	6,000
Native-born	3,500	5,500	2,000	D	6,500
Naturalized	7,500	8,500	D	D	D
Non-U.S. citizen	21,000	21,000	D	D	D
Permanent resident	21,500	21,500	D	D	D
Temporary resident	D	D	D	D	D
Chemical engineers	3,500	3,500	3,500	D	13,500
U.S. citizen	3,500	3,500	D	D	13,500
Native-born	3,000	5,000	D	D	8,000
Naturalized	11,500	13,500	D	D	D
Non-U.S. citizen	24,000	27,000	D	D	D
Permanent resident	24,500	D	D	D	D
Temporary resident	8,000	D	D	D	D

TABLE A-14. Standard errors of median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, citizenship status, and employment sector: 2008

Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment: Business/ industry	4-year college/ university	Other educational institution	Government
Civil/architectural/sanitary engineers	2,000	1,500	500	D	4,000
U.S. citizen	2,000	1,500	500	D	3,500
Native-born	2,000	2,500	500	D	3,500
Naturalized	4,500	6,000	D	D	3,500
Non-U.S. citizen	12,000	15,000	D	D	D
Permanent resident	11,000	8,500	D	D	D
Temporary resident	12,500	5,500	D	D	D
Electrical/computer hardware engineers	1,500	2,000	18,000	D	3,500
U.S. citizen	1,500	3,500	22,500	D	3,500
Native-born	1,500	4,000	23,000	D	4,500
Naturalized	3,500	3,500	D	D	7,500
Non-U.S. citizen	10,500	12,500	D	D	D
Permanent resident	9,000	7,000	D	D	D
Temporary resident	3,000	3,000	D	D	D
Industrial engineers	2,000	2,000	D	D	1,000
U.S. citizen	2,000	2,500	D	D	1,000
Native-born	3,000	2,500	D	D	1,500
Naturalized	2,500	2,500	D	D	D
Non-U.S. citizen	2,000	2,000	D	D	D
Permanent resident	15,500	15,500	D	D	D
Temporary resident	D	D	D	D	D
Mechanical engineers	2,000	2,500	S	D	3,500
U.S. citizen	2,500	2,500	S	D	3,500
Native-born	2,000	2,500	20,500	D	4,500
Naturalized	4,500	5,500	D	D	5,500
Non-U.S. citizen	10,000	10,000	D	D	D
Permanent resident	13,500	17,500	D	D	D
Temporary resident	S	14,000	D	D	D
Postsecondary teachers-engineering	S	D	2,000	5,500	D
U.S. citizen	21,000	D	6,500	5,500	D
Native-born	5,000	D	S	5,500	D
Naturalized	500	D	D	D	D
Non-U.S. citizen	D	D	D	D	D
Permanent resident	D	D	D	D	D
Temporary resident	D	D	D	D	D
Other engineers	1,000	4,500	2,000	D	3,500
U.S. citizen	1,500	2,500	1,000	D	4,000
Native-born	1,500	3,000	1,500	D	5,500
Naturalized	2,000	3,500	D	D	12,500
Non-U.S. citizen	7,500	17,500	D	D	D
Permanent resident	8,500	16,500	D	D	D
Temporary resident	S	S	D	D	D
S&E-related occupations	1,000	500	1,000	1,500	500
U.S. citizen	1,000	500	1,000	1,500	500
Native-born	2,000	500	2,500	2,000	1,000
Naturalized	3,000	1,000	7,000	3,000	1,500
Non-U.S. citizen	3,500	3,500	10,500	13,500	17,000
Permanent resident	5,500	5,000	8,000	17,000	17,000
Temporary resident	5,500	S	D	D	D

TABLE A-14. Standard errors of median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, citizenship status, and employment sector: 2008

Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment: Business/ industry	4-year college/ university	Other educational institution	Government
Health occupations	1,500	1,500	1,000	1,500	2,000
U.S. citizen	1,000	1,500	1,000	1,500	2,500
Native-born	500	1,500	2,000	2,000	1,500
Naturalized	2,500	2,000	10,000	D	1,500
Non-U.S. citizen	9,500	9,500	S	D	D
Permanent resident	12,500	12,500	D	D	D
Temporary resident	D	3,500	D	D	D
S&E managers, including health	2,000	4,000	11,000	3,000	4,500
U.S. citizen	2,500	4,000	11,000	3,000	5,000
Native-born	3,000	4,500	12,000	4,000	4,500
Naturalized	3,500	6,500	D	D	24,500
Non-U.S. citizen	18,000	20,500	D	D	D
Permanent resident	19,500	22,000	D	D	D
Temporary resident	D	D	D	D	D
S&E precollege teachers	1,500	D	D	1,500	D
U.S. citizen	1,500	D	D	1,500	D
Native-born	1,500	D	D	2,000	D
Naturalized	2,000	D	D	2,000	D
Non-U.S. citizen	6,000	D	D	6,000	D
Permanent resident	11,000	D	D	11,000	D
Temporary resident	D	D	D	D	D
S&E technicians/technologists	2,500	3,500	2,500	31,000	3,000
U.S. citizen	2,500	2,500	2,000	31,000	3,000
Native-born	2,500	2,500	3,000	24,500	4,500
Naturalized	5,000	4,500	2,500	D	9,000
Non-U.S. citizen	13,500	11,500	12,000	D	D
Permanent resident	23,000	23,000	D	D	D
Temporary resident	4,500	4,500	D	D	D
Other S&E-related occupations	3,000	2,500	8,500	D	10,500
U.S. citizen	3,000	2,500	D	D	10,500
Native-born	4,500	4,000	D	D	21,500
Naturalized	3,500	4,500	D	D	D
Non-U.S. citizen	28,000	28,000	D	D	D
Permanent resident	22,000	23,000	D	D	D
Temporary resident	D	D	D	D	D
Non-S&E occupations	1,000	1,500	2,500	2,000	1,500
U.S. citizen	500	1,500	2,500	2,000	2,000
Native-born	500	1,500	2,000	2,000	2,000
Naturalized	2,500	1,000	6,000	3,500	3,000
Non-U.S. citizen	2,500	9,000	3,500	S	1,500
Permanent resident	3,000	9,500	2,000	S	1,500
Temporary resident	7,000	11,500	D	D	D
Arts/humanities/related occupations	2,500	5,000	11,000	4,000	17,000
U.S. citizen	2,500	5,000	10,500	5,500	17,500
Native-born	2,500	5,000	10,500	2,500	14,500
Naturalized	13,500	15,000	D	D	D
Non-U.S. citizen	S	D	D	D	D
Permanent resident	S	D	D	D	D
Temporary resident	D	D	D	D	D

TABLE A-14. Standard errors of median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, citizenship status, and employment sector: 2008

Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment: Business/ industry	4-year college/ university	Other educational institution	Government
Management-related occupations	3,000	1,500	3,000	14,000	3,500
U.S. citizen	4,500	1,500	3,000	14,000	3,500
Native-born	2,000	2,500	2,500	12,500	3,500
Naturalized	2,000	1,500	9,500	D	4,000
Non-U.S. citizen	15,000	17,500	D	D	D
Permanent resident	20,500	18,500	D	D	D
Temporary resident	3,500	3,500	D	D	D
Non-S&E managers	3,500	3,500	24,000	2,500	4,500
U.S. citizen	3,500	4,000	24,500	3,000	4,500
Native-born	3,500	3,500	20,500	3,000	6,000
Naturalized	4,000	6,000	4,500	D	7,500
Non-U.S. citizen	14,500	16,000	D	D	D
Permanent resident	14,000	16,000	D	D	D
Temporary resident	D	D	D	D	D
Non-S&E postsecondary teachers	4,000	S	2,500	8,500	D
U.S. citizen	3,500	S	3,000	8,500	D
Native-born	4,500	S	4,000	6,500	D
Naturalized	D	D	D	D	D
Non-U.S. citizen	D	D	D	D	D
Permanent resident	D	D	D	D	D
Temporary resident	D	D	D	D	D
Non-S&E precollege/other teachers	2,000	4,500	D	2,000	D
U.S. citizen	2,000	4,500	D	3,000	D
Native-born	3,000	4,500	D	2,000	D
Naturalized	5,000	D	D	5,000	D
Non-U.S. citizen	S	D	D	S	D
Permanent resident	S	D	D	S	D
Temporary resident	D	D	D	D	D
Sales/marketing occupations	2,000	1,500	12,500	8,500	22,000
U.S. citizen	2,500	2,500	12,500	8,500	22,000
Native-born	1,500	1,000	11,500	8,500	21,000
Naturalized	1,000	2,000	D	D	D
Non-U.S. citizen	15,500	15,500	D	D	D
Permanent resident	14,500	14,500	D	D	D
Temporary resident	D	D	D	D	D
Social services/related occupations	1,000	1,000	5,000	5,000	1,500
U.S. citizen	1,000	1,000	5,000	4,000	2,000
Native-born	500	1,000	7,000	1,000	2,500
Naturalized	3,500	8,000	D	D	6,500
Non-U.S. citizen	S	9,000	D	D	D
Permanent resident	S	9,000	D	D	D
Temporary resident	D	D	D	D	D
Other non-S&E occupations	500	1,500	4,500	5,000	1,500
U.S. citizen	500	1,500	3,000	4,500	1,000
Native-born	1,000	1,000	2,500	5,000	1,000
Naturalized	500	2,000	S	S	3,000
Non-U.S. citizen	5,000	4,500	6,500	D	1,500
Permanent resident	8,500	4,500	9,000	D	1,500
Temporary resident	D	D	D	D	D

TABLE A-14. Standard errors of median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, citizenship status, and employment sector: 2008

Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment: Business/ industry	4-year college/ university	Other educational institution	Government
Master's degrees, all occupations	500	1,500	2,000	1,000	1,500
U.S. citizen	500	1,500	1,000	1,000	1,500
Native-born	1,000	500	2,000	1,500	1,500
Naturalized	1,000	2,000	3,500	3,500	2,500
Non-U.S. citizen	500	2,000	500	14,000	6,500
Permanent resident	3,000	6,000	5,000	9,000	7,500
Temporary resident	1,000	3,000	1,500	8,000	2,500
S&E occupations	1,000	1,500	3,500	2,000	2,500
U.S. citizen	1,000	1,500	1,500	3,000	3,000
Native-born	1,000	1,500	3,000	2,000	2,500
Naturalized	1,500	2,000	6,000	9,000	4,000
Non-U.S. citizen	5,000	500	500	4,000	5,500
Permanent resident	3,000	3,000	7,000	15,500	11,000
Temporary resident	500	1,500	3,000	11,500	2,500
Science occupations	1,500	500	2,000	1,500	3,500
U.S. citizen	1,500	1,000	1,500	2,000	4,000
Native-born	1,500	2,000	3,000	1,500	2,500
Naturalized	1,000	2,500	6,000	8,500	2,000
Non-U.S. citizen	1,000	3,500	1,500	4,000	13,000
Permanent resident	3,000	3,000	5,000	15,500	13,000
Temporary resident	1,000	2,000	2,000	11,500	2,000
Biological/agricultural/other life scientists	4,500	4,000	3,000	4,000	1,500
U.S. citizen	4,500	4,000	3,000	4,000	1,500
Native-born	3,000	3,500	3,000	4,500	2,000
Naturalized	10,500	3,500	3,500	D	3,500
Non-U.S. citizen	1,000	4,000	14,500	D	D
Permanent resident	3,500	4,500	6,500	D	D
Temporary resident	7,500	5,500	1,000	D	D
Agricultural/food scientists	9,000	11,000	4,500	D	10,500
U.S. citizen	13,000	10,000	5,000	D	10,500
Native-born	9,000	17,500	5,000	D	10,500
Naturalized	D	D	D	D	D
Non-U.S. citizen	11,500	2,000	D	D	D
Permanent resident	D	D	D	D	D
Temporary resident	4,500	D	D	D	D
Biological/medical scientists	2,500	4,000	5,000	D	3,000
U.S. citizen	2,000	4,000	6,000	D	4,000
Native-born	3,500	5,000	5,500	D	4,000
Naturalized	6,500	3,000	4,500	D	3,500
Non-U.S. citizen	1,500	6,000	8,000	D	D
Permanent resident	3,000	9,500	6,000	D	D
Temporary resident	3,000	11,000	D	D	D
Environmental life scientists	4,500	6,500	2,000	D	5,500
U.S. citizen	6,000	6,500	D	D	5,500
Native-born	7,500	6,000	D	D	6,000
Naturalized	D	D	D	D	D
Non-U.S. citizen	D	D	D	D	D
Permanent resident	D	D	D	D	D
Temporary resident	D	D	D	D	D

TABLE A-14. Standard errors of median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, citizenship status, and employment sector: 2008

Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment: Business/ industry	4-year college/ university	Other educational institution	Government
Postsecondary teachers-life/related sciences	2,000	D	7,500	4,000	D
U.S. citizen	3,000	D	5,500	4,000	D
Native-born	3,500	D	4,000	4,000	D
Naturalized	S	D	5,500	D	D
Non-U.S. citizen	2,500	D	D	D	D
Permanent resident	D	D	D	D	D
Temporary resident	D	D	D	D	D
Computer/mathematical scientists	1,500	2,000	2,500	2,500	4,000
U.S. citizen	1,500	2,000	2,500	2,000	4,500
Native-born	1,500	2,500	3,500	2,500	8,000
Naturalized	2,500	1,000	16,000	13,000	2,500
Non-U.S. citizen	2,500	1,000	4,500	15,500	29,000
Permanent resident	3,000	3,000	9,500	9,500	20,500
Temporary resident	4,500	6,500	3,500	D	2,000
Computer/information scientists	2,000	1,500	3,000	3,500	3,500
U.S. citizen	2,000	2,500	2,500	3,500	3,500
Native-born	2,000	2,000	4,000	1,500	8,000
Naturalized	1,500	500	5,000	17,500	2,000
Non-U.S. citizen	2,000	1,000	4,500	D	10,000
Permanent resident	2,500	3,000	8,000	D	13,000
Temporary resident	2,000	5,000	10,000	D	9,000
Mathematical scientists	2,500	3,000	1,500	D	2,500
U.S. citizen	3,000	5,500	7,000	D	2,500
Native-born	3,000	12,500	3,000	D	3,000
Naturalized	11,500	12,000	22,500	D	8,000
Non-U.S. citizen	6,000	4,000	3,000	D	D
Permanent resident	2,000	1,500	D	D	D
Temporary resident	8,500	5,500	2,000	D	D
Postsecondary teachers-computer/mathematical sciences	3,500	D	3,000	6,500	D
U.S. citizen	4,000	D	3,000	7,000	D
Native-born	5,000	D	4,500	9,000	D
Naturalized	6,000	D	9,000	2,500	D
Non-U.S. citizen	11,000	D	S	D	D
Permanent resident	14,000	D	14,000	D	D
Temporary resident	1,000	D	2,000	D	D
Physical/related scientists	2,000	2,500	1,000	12,500	6,500
U.S. citizen	3,500	4,000	1,500	12,500	5,500
Native-born	4,000	5,000	2,000	5,000	5,000
Naturalized	4,000	6,000	S	D	10,000
Non-U.S. citizen	2,500	16,500	500	D	12,000
Permanent resident	7,500	19,000	13,500	D	D
Temporary resident	500	4,000	2,500	D	D
Chemists, except biochemists	4,500	5,000	1,500	D	14,000
U.S. citizen	5,000	2,500	500	D	14,500
Native-born	10,000	6,500	500	D	19,500
Naturalized	4,500	4,500	D	D	8,500
Non-U.S. citizen	2,000	15,500	5,000	D	D
Permanent resident	9,500	D	10,000	D	D
Temporary resident	4,500	1,000	D	D	D

TABLE A-14. Standard errors of median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, citizenship status, and employment sector: 2008

Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment: Business/ industry	4-year college/ university	Other educational institution	Government
Earth/atmospheric/ocean scientists	5,000	6,500	6,500	D	13,500
U.S. citizen	4,000	6,500	12,000	D	9,000
Native-born	4,500	7,000	12,000	D	9,000
Naturalized	12,500	20,000	D	D	5,500
Non-U.S. citizen	10,500	S	13,000	D	D
Permanent resident	6,500	D	D	D	D
Temporary resident	15,000	D	D	D	D
Physicists/astronomers	21,500	11,500	2,000	D	21,500
U.S. citizen	5,500	16,500	3,500	D	21,000
Native-born	6,000	16,500	4,500	D	14,000
Naturalized	D	D	D	D	D
Non-U.S. citizen	500	D	2,500	D	D
Permanent resident	33,500	D	D	D	D
Temporary resident	3,000	D	1,500	D	D
Postsecondary teachers-physical/related sciences	7,500	D	2,000	12,500	D
U.S. citizen	S	D	7,000	12,500	D
Native-born	S	D	4,000	5,000	D
Naturalized	S	D	D	D	D
Non-U.S. citizen	1,000	D	1,000	D	D
Permanent resident	D	D	D	D	D
Temporary resident	1,000	D	D	D	D
Other physical/related scientists	7,000	6,000	13,500	D	5,500
U.S. citizen	7,500	7,000	8,000	D	5,500
Native-born	7,000	6,000	8,000	D	5,500
Naturalized	D	D	D	D	D
Non-U.S. citizen	D	D	D	D	D
Permanent resident	D	D	D	D	D
Temporary resident	D	D	D	D	D
Social/related scientists	2,500	4,500	2,000	2,000	7,000
U.S. citizen	1,500	5,500	3,000	2,000	7,000
Native-born	2,500	6,500	5,000	2,500	9,000
Naturalized	6,500	9,500	3,000	7,500	D
Non-U.S. citizen	13,500	5,000	1,000	D	17,000
Permanent resident	9,000	12,000	D	D	D
Temporary resident	1,500	4,000	1,500	D	D
Economists	15,500	25,000	D	D	23,000
U.S. citizen	18,000	18,500	D	D	23,500
Native-born	18,000	17,500	D	D	23,500
Naturalized	12,000	12,000	D	D	D
Non-U.S. citizen	24,500	36,500	D	D	D
Permanent resident	D	D	D	D	D
Temporary resident	S	S	D	D	D
Political/related scientists	11,500	9,500	D	D	D
U.S. citizen	11,500	15,500	D	D	D
Native-born	13,000	16,000	D	D	D
Naturalized	D	D	D	D	D
Non-U.S. citizen	S	D	D	D	D
Permanent resident	D	D	D	D	D
Temporary resident	D	D	D	D	D

TABLE A-14. Standard errors of median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, citizenship status, and employment sector: 2008

Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment: Business/ industry	4-year college/ university	Other educational institution	Government
Postsecondary teachers-social/related sciences	7,000	D	1,500	15,500	D
U.S. citizen	S	D	6,500	18,500	D
Native-born	S	D	6,000	16,500	D
Naturalized	14,500	D	10,500	D	D
Non-U.S. citizen	1,000	D	1,500	D	D
Permanent resident	D	D	D	D	D
Temporary resident	1,000	D	1,000	D	D
Psychologists	2,000	2,000	3,500	2,000	10,500
U.S. citizen	2,000	2,000	6,500	2,000	11,000
Native-born	2,500	2,500	S	2,500	10,000
Naturalized	5,500	12,500	7,000	6,500	D
Non-U.S. citizen	10,000	16,500	D	D	D
Permanent resident	S	D	D	D	D
Temporary resident	6,000	D	D	D	D
Sociologists/anthropologists	9,000	4,500	500	D	1,000
U.S. citizen	9,500	5,000	500	D	1,000
Native-born	8,000	4,500	500	D	1,000
Naturalized	D	D	D	D	D
Non-U.S. citizen	D	D	D	D	D
Permanent resident	D	D	D	D	D
Temporary resident	D	D	D	D	D
Other social/related scientists	6,500	4,000	4,500	D	8,500
U.S. citizen	9,000	3,500	20,500	D	8,000
Native-born	8,000	3,500	18,500	D	11,000
Naturalized	8,500	15,500	D	D	D
Non-U.S. citizen	13,500	11,500	3,000	D	D
Permanent resident	13,000	24,500	D	D	D
Temporary resident	3,000	D	4,000	D	D
Engineering occupations	2,000	500	4,500	8,000	2,500
U.S. citizen	500	1,500	8,500	8,000	2,500
Native-born	1,500	2,000	9,000	7,000	2,500
Naturalized	2,000	1,000	S	D	4,500
Non-U.S. citizen	6,500	500	1,000	D	3,500
Permanent resident	5,000	4,500	2,000	D	6,000
Temporary resident	2,500	2,000	2,500	D	7,500
Aerospace/aeronautical/astronautical engineers	4,500	5,000	3,500	D	8,500
U.S. citizen	3,500	4,500	D	D	9,000
Native-born	3,500	4,500	D	D	13,500
Naturalized	10,000	6,000	D	D	S
Non-U.S. citizen	15,500	15,000	1,000	D	D
Permanent resident	18,000	13,000	D	D	D
Temporary resident	1,500	5,500	1,000	D	D
Chemical engineers	5,000	4,500	500	D	12,000
U.S. citizen	6,500	5,500	D	D	10,500
Native-born	7,000	7,000	D	D	D
Naturalized	5,000	4,500	D	D	D
Non-U.S. citizen	22,000	16,000	D	D	D
Permanent resident	13,500	12,000	D	D	D
Temporary resident	18,000	12,000	D	D	D

TABLE A-14. Standard errors of median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, citizenship status, and employment sector: 2008

Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment: Business/ industry	4-year college/ university	Other educational institution	Government
Civil/architectural/sanitary engineers	2,500	2,000	S	D	2,500
U.S. citizen	1,500	2,000	S	D	2,500
Native-born	2,500	3,500	D	D	3,000
Naturalized	3,000	1,500	D	D	4,000
Non-U.S. citizen	2,500	2,500	D	D	6,000
Permanent resident	12,500	10,000	D	D	8,000
Temporary resident	2,000	2,000	D	D	D
Electrical/computer hardware engineers	1,000	500	4,500	D	8,500
U.S. citizen	4,500	3,500	S	D	11,500
Native-born	500	1,000	S	D	9,500
Naturalized	2,000	2,500	D	D	5,000
Non-U.S. citizen	2,500	1,500	500	D	D
Permanent resident	7,000	7,500	D	D	D
Temporary resident	1,500	3,500	1,000	D	D
Industrial engineers	3,000	3,000	1,500	D	D
U.S. citizen	3,500	3,500	D	D	D
Native-born	3,000	3,000	D	D	D
Naturalized	7,000	7,000	D	D	D
Non-U.S. citizen	9,000	14,500	1,000	D	D
Permanent resident	28,000	28,000	D	D	D
Temporary resident	6,000	11,500	1,000	D	D
Mechanical engineers	2,500	2,500	1,000	D	4,000
U.S. citizen	2,000	2,000	4,000	D	4,000
Native-born	3,500	3,500	5,000	D	9,000
Naturalized	2,500	1,500	D	D	4,500
Non-U.S. citizen	3,000	3,000	4,000	D	D
Permanent resident	11,500	11,500	D	D	D
Temporary resident	7,000	2,000	3,500	D	D
Postsecondary teachers-engineering	3,500	D	23,000	7,000	D
U.S. citizen	3,000	D	3,000	7,000	D
Native-born	3,000	D	3,000	7,000	D
Naturalized	D	D	D	D	D
Non-U.S. citizen	2,000	D	2,000	D	D
Permanent resident	D	D	D	D	D
Temporary resident	3,000	D	3,000	D	D
Other engineers	3,500	4,000	3,000	D	3,500
U.S. citizen	4,500	3,500	10,500	D	3,500
Native-born	4,500	4,500	9,000	D	5,000
Naturalized	5,500	2,000	S	D	5,000
Non-U.S. citizen	5,000	6,000	1,500	D	D
Permanent resident	7,500	19,500	D	D	D
Temporary resident	10,000	4,500	1,000	D	D
S&E-related occupations	2,000	2,500	2,500	1,000	3,000
U.S. citizen	3,000	2,500	2,500	1,000	3,500
Native-born	500	1,000	6,000	1,000	4,000
Naturalized	2,500	3,000	3,500	2,000	5,000
Non-U.S. citizen	2,500	4,000	4,500	3,000	D
Permanent resident	8,500	7,000	12,500	3,500	D
Temporary resident	4,000	5,500	7,500	D	D

TABLE A-14. Standard errors of median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, citizenship status, and employment sector: 2008

Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment: Business/ industry	4-year college/ university	Other educational institution	Government
Health occupations	2,000	2,500	3,000	2,000	1,000
U.S. citizen	1,500	3,000	3,500	2,000	1,000
Native-born	2,000	3,500	1,000	2,000	1,500
Naturalized	2,000	5,000	10,500	6,000	3,000
Non-U.S. citizen	8,000	8,500	S	D	D
Permanent resident	9,000	11,000	19,000	D	D
Temporary resident	7,000	S	3,500	D	D
S&E managers, including health	4,000	1,500	4,500	D	4,000
U.S. citizen	3,500	2,000	4,000	D	4,000
Native-born	3,500	2,000	7,000	D	4,000
Naturalized	3,500	3,000	4,500	D	5,000
Non-U.S. citizen	20,500	21,000	D	D	D
Permanent resident	20,500	19,500	D	D	D
Temporary resident	D	D	D	D	D
S&E precollege teachers	3,000	D	D	2,000	D
U.S. citizen	1,500	D	D	2,000	D
Native-born	1,500	D	D	1,500	D
Naturalized	2,000	D	D	2,000	D
Non-U.S. citizen	3,000	D	D	3,000	D
Permanent resident	3,500	D	D	3,500	D
Temporary resident	D	D	D	D	D
S&E technicians/technologists	4,500	3,000	3,000	6,500	1,000
U.S. citizen	4,500	3,500	3,500	6,500	1,000
Native-born	5,500	3,500	500	6,500	1,500
Naturalized	5,000	6,000	9,000	D	2,500
Non-U.S. citizen	9,500	3,500	3,000	D	D
Permanent resident	5,500	7,500	D	D	D
Temporary resident	15,000	4,500	7,000	D	D
Other S&E-related occupations	4,500	4,500	D	D	8,500
U.S. citizen	4,500	4,000	D	D	8,500
Native-born	5,500	4,500	D	D	9,500
Naturalized	6,000	5,500	D	D	D
Non-U.S. citizen	6,000	6,000	D	D	D
Permanent resident	9,000	9,000	D	D	D
Temporary resident	9,500	9,500	D	D	D
Non-S&E occupations	1,500	1,500	3,000	1,500	3,000
U.S. citizen	1,000	1,500	2,500	2,000	3,000
Native-born	1,000	3,500	3,500	2,000	3,000
Naturalized	3,500	5,000	3,000	3,500	2,500
Non-U.S. citizen	5,000	13,500	1,500	S	S
Permanent resident	5,000	9,500	7,500	S	S
Temporary resident	6,500	4,500	2,500	D	D
Arts/humanities/related occupations	2,000	2,000	7,000	S	6,000
U.S. citizen	2,500	1,500	7,500	S	6,500
Native-born	2,500	3,000	12,500	S	4,000
Naturalized	12,000	13,000	D	D	D
Non-U.S. citizen	10,000	10,500	D	D	D
Permanent resident	S	S	D	D	D
Temporary resident	3,000	3,000	D	D	D

TABLE A-14. Standard errors of median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, citizenship status, and employment sector: 2008

Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment: Business/ industry	4-year college/ university	Other educational institution	Government
Management-related occupations	1,500	2,500	1,500	8,500	3,500
U.S. citizen	2,000	2,500	1,500	8,500	3,500
Native-born	2,500	4,000	1,000	8,500	4,500
Naturalized	5,000	5,500	15,500	D	8,000
Non-U.S. citizen	9,500	10,500	D	D	D
Permanent resident	25,000	22,000	D	D	D
Temporary resident	7,500	6,000	D	D	D
Non-S&E managers	3,000	5,000	3,000	2,000	5,000
U.S. citizen	3,000	4,500	2,500	2,000	4,000
Native-born	2,500	5,000	3,000	2,000	4,000
Naturalized	6,000	7,000	D	21,000	6,500
Non-U.S. citizen	20,000	20,500	D	D	D
Permanent resident	17,000	21,000	D	D	D
Temporary resident	D	D	D	D	D
Non-S&E postsecondary teachers	6,500	S	8,000	10,000	2,500
U.S. citizen	5,500	S	7,000	10,000	2,500
Native-born	3,500	D	7,500	9,500	1,500
Naturalized	S	D	S	S	D
Non-U.S. citizen	2,000	D	3,500	D	D
Permanent resident	S	D	S	D	D
Temporary resident	4,000	D	4,000	D	D
Non-S&E precollege/other teachers	1,000	S	D	1,500	D
U.S. citizen	1,000	S	D	1,000	D
Native-born	1,000	S	D	1,000	D
Naturalized	2,500	D	D	2,500	D
Non-U.S. citizen	S	D	D	S	D
Permanent resident	S	D	D	S	D
Temporary resident	D	D	D	D	D
Sales/marketing occupations	5,000	4,500	D	D	D
U.S. citizen	5,000	4,500	D	D	D
Native-born	5,000	5,000	D	D	D
Naturalized	9,500	9,500	D	D	D
Non-U.S. citizen	14,000	14,500	D	D	D
Permanent resident	19,000	19,500	D	D	D
Temporary resident	D	D	D	D	D
Social services/related occupations	1,500	2,000	3,000	2,000	2,500
U.S. citizen	1,000	2,500	3,000	2,000	2,500
Native-born	1,000	2,500	3,000	2,000	2,000
Naturalized	5,000	3,500	5,500	6,500	9,000
Non-U.S. citizen	3,000	2,500	D	D	D
Permanent resident	9,000	7,000	D	D	D
Temporary resident	D	D	D	D	D
Other non-S&E occupations	2,000	1,500	5,000	4,000	3,000
U.S. citizen	2,500	1,500	4,500	4,500	3,500
Native-born	2,500	2,500	4,500	6,000	4,000
Naturalized	2,000	2,500	12,500	4,500	10,500
Non-U.S. citizen	S	S	3,000	D	D
Permanent resident	11,000	S	4,500	D	D
Temporary resident	16,000	11,500	2,000	D	D

TABLE A-14. Standard errors of median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, citizenship status, and employment sector: 2008

Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment: Business/ industry	4-year college/ university	Other educational institution	Government
Doctoral degrees, all occupations	1,500	2,000	1,000	2,000	2,000
U.S. citizen	500	1,500	2,000	2,000	3,000
Native-born	1,000	500	500	2,000	3,000
Naturalized	500	3,500	3,000	11,000	3,500
Non-U.S. citizen	1,500	500	1,000	3,000	7,500
Permanent resident	1,000	3,500	2,000	6,500	11,000
Temporary resident	1,000	1,000	4,000	8,000	10,000
S&E occupations	1,000	500	1,500	2,000	3,000
U.S. citizen	1,500	2,000	500	2,000	2,000
Native-born	3,000	500	1,500	2,000	2,500
Naturalized	500	1,500	2,500	6,500	3,000
Non-U.S. citizen	500	1,000	2,500	3,000	7,500
Permanent resident	1,500	500	3,000	10,500	7,500
Temporary resident	1,500	2,500	4,500	6,500	8,500
Science occupations	2,000	500	500	1,500	1,500
U.S. citizen	500	500	500	2,500	3,000
Native-born	500	2,000	1,000	2,000	3,000
Naturalized	2,500	5,000	1,000	7,500	5,000
Non-U.S. citizen	3,500	3,500	2,000	5,000	5,500
Permanent resident	2,500	1,000	1,000	14,000	6,500
Temporary resident	6,000	5,000	500	6,500	10,000
Biological/agricultural/other life scientists	2,000	3,500	3,000	1,000	2,000
U.S. citizen	2,000	1,000	2,500	1,000	4,500
Native-born	3,000	3,000	500	1,000	4,500
Naturalized	4,000	7,000	6,000	4,500	7,000
Non-U.S. citizen	5,000	3,000	1,000	D	4,500
Permanent resident	6,500	7,000	6,000	D	5,000
Temporary resident	3,000	6,500	2,500	D	1,500
Agricultural/food scientists	2,000	5,000	2,000	D	5,000
U.S. citizen	2,000	500	5,500	D	6,500
Native-born	3,500	4,000	5,500	D	5,500
Naturalized	500	5,000	8,000	D	7,000
Non-U.S. citizen	11,500	10,500	3,500	D	D
Permanent resident	17,500	1,000	3,000	D	D
Temporary resident	6,000	17,500	2,000	D	D
Biological/medical scientists	4,000	1,000	500	25,000	2,000
U.S. citizen	4,000	3,000	4,000	25,000	5,000
Native-born	3,000	500	6,500	26,500	5,500
Naturalized	4,500	6,500	5,000	D	8,000
Non-U.S. citizen	1,000	4,000	3,000	D	5,000
Permanent resident	9,500	7,500	3,000	D	6,500
Temporary resident	1,000	8,000	500	D	1,500
Environmental life scientists	3,500	15,500	8,500	D	6,500
U.S. citizen	5,000	13,000	10,500	D	6,500
Native-born	4,500	18,000	10,500	D	6,500
Naturalized	18,000	D	D	D	D
Non-U.S. citizen	16,000	D	D	D	D
Permanent resident	18,000	D	D	D	D
Temporary resident	D	D	D	D	D

TABLE A-14. Standard errors of median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, citizenship status, and employment sector: 2008

Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment: Business/ industry	4-year college/ university	Other educational institution	Government
Postsecondary teachers-life/related sciences	500	D	2,500	1,000	D
U.S. citizen	500	8,500	2,500	1,000	D
Native-born	500	8,000	1,500	1,000	D
Naturalized	13,500	D	16,500	4,500	D
Non-U.S. citizen	3,500	D	3,000	D	D
Permanent resident	6,500	D	6,000	D	D
Temporary resident	7,500	D	7,500	D	D
Computer/mathematical scientists	2,000	1,500	2,500	8,000	7,500
U.S. citizen	2,500	4,500	1,500	8,500	8,500
Native-born	1,500	2,000	1,500	11,500	12,000
Naturalized	3,500	5,500	4,500	14,500	10,000
Non-U.S. citizen	1,000	2,000	4,500	17,000	S
Permanent resident	6,500	5,500	3,000	12,500	10,500
Temporary resident	500	4,500	500	D	D
Computer/information scientists	2,500	1,000	3,000	D	16,500
U.S. citizen	5,500	4,500	8,000	D	D
Native-born	5,500	4,000	4,000	D	D
Naturalized	4,500	6,000	5,000	D	13,000
Non-U.S. citizen	1,500	4,500	1,500	D	D
Permanent resident	8,000	5,500	10,000	D	D
Temporary resident	7,000	7,500	1,500	D	D
Mathematical scientists	1,500	10,000	5,500	1,000	6,000
U.S. citizen	4,500	3,500	5,000	1,000	7,000
Native-born	3,500	7,000	5,500	D	6,500
Naturalized	15,500	4,500	7,500	D	5,500
Non-U.S. citizen	2,500	3,500	14,000	D	D
Permanent resident	3,000	2,000	25,000	D	D
Temporary resident	6,500	11,000	7,500	D	D
Postsecondary teachers-computer/mathematical sciences	2,500	D	3,000	10,500	D
U.S. citizen	3,000	D	3,000	8,000	D
Native-born	4,000	D	1,500	S	D
Naturalized	4,000	D	5,000	12,000	D
Non-U.S. citizen	5,000	D	5,500	19,500	D
Permanent resident	4,500	D	4,500	13,000	D
Temporary resident	4,000	D	4,000	D	D
Physical/related scientists	2,000	1,500	3,000	3,500	3,000
U.S. citizen	500	1,500	2,000	3,500	2,500
Native-born	2,000	3,000	2,000	3,000	3,000
Naturalized	5,500	2,000	4,500	D	12,000
Non-U.S. citizen	4,500	5,500	4,500	13,000	2,500
Permanent resident	4,000	3,500	6,500	D	10,500
Temporary resident	5,000	2,500	4,000	D	8,000
Chemists, except biochemists	500	2,500	5,000	D	10,000
U.S. citizen	1,000	2,000	5,500	D	10,000
Native-born	4,000	2,000	8,500	D	17,000
Naturalized	1,500	3,000	8,000	D	12,000
Non-U.S. citizen	4,000	1,500	4,000	D	D
Permanent resident	3,000	4,500	14,000	D	D
Temporary resident	16,500	4,000	2,000	D	D

TABLE A-14. Standard errors of median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, citizenship status, and employment sector: 2008

Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment: Business/ industry	4-year college/ university	Other educational institution	Government
Earth/atmospheric/ocean scientists	2,000	3,500	4,000	D	8,500
U.S. citizen	6,500	5,500	3,500	D	9,500
Native-born	5,500	7,500	4,000	D	7,000
Naturalized	12,500	7,000	9,000	D	32,000
Non-U.S. citizen	5,000	5,000	8,500	D	3,000
Permanent resident	6,500	5,500	9,500	D	D
Temporary resident	2,000	6,500	4,500	D	D
Physicists/astronomers	2,500	3,500	8,500	D	8,000
U.S. citizen	3,500	8,500	5,500	D	8,000
Native-born	1,500	3,000	10,500	D	10,000
Naturalized	13,000	26,500	10,000	D	14,500
Non-U.S. citizen	4,500	10,000	1,500	D	18,500
Permanent resident	9,000	7,500	20,000	D	D
Temporary resident	1,500	16,000	2,500	D	D
Postsecondary teachers-physical/related sciences	3,000	D	2,000	4,000	D
U.S. citizen	1,500	D	2,000	3,500	D
Native-born	1,500	D	2,000	3,500	D
Naturalized	5,500	D	5,000	D	D
Non-U.S. citizen	6,000	D	6,500	13,000	D
Permanent resident	8,500	D	7,500	D	D
Temporary resident	2,500	D	4,000	D	D
Other physical/related scientists	3,000	1,500	16,000	D	1,000
U.S. citizen	6,000	1,500	13,000	D	500
Native-born	6,500	4,500	10,000	D	500
Naturalized	D	D	D	D	D
Non-U.S. citizen	11,500	9,000	D	D	D
Permanent resident	D	D	D	D	D
Temporary resident	13,000	5,000	D	D	D
Social/related scientists	2,000	500	500	3,500	3,000
U.S. citizen	1,500	1,000	500	3,500	3,000
Native-born	1,500	4,000	500	4,000	3,000
Naturalized	6,500	8,500	3,500	S	8,000
Non-U.S. citizen	5,000	3,500	2,500	4,000	14,500
Permanent resident	5,000	17,500	5,500	8,000	D
Temporary resident	13,500	22,500	1,000	D	D
Economists	5,000	7,500	6,500	D	7,500
U.S. citizen	5,500	8,000	5,000	D	6,500
Native-born	7,500	10,500	5,000	D	8,000
Naturalized	5,500	25,000	16,000	D	2,000
Non-U.S. citizen	25,000	17,500	22,000	D	D
Permanent resident	30,000	37,500	50,000	D	D
Temporary resident	32,000	17,000	D	D	D
Political/related scientists	8,500	27,000	11,000	D	12,000
U.S. citizen	8,500	29,500	11,000	D	12,000
Native-born	9,000	29,500	15,000	D	14,000
Naturalized	D	D	D	D	D
Non-U.S. citizen	42,500	D	29,500	D	D
Permanent resident	D	D	D	D	D
Temporary resident	D	D	D	D	D

TABLE A-14. Standard errors of median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, citizenship status, and employment sector: 2008

Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment: Business/ industry	4-year college/ university	Other educational institution	Government
Postsecondary teachers-social/related sciences	500	12,000	500	8,000	D
U.S. citizen	1,500	12,000	500	9,000	D
Native-born	2,000	12,000	500	10,500	D
Naturalized	3,000	D	3,000	14,500	D
Non-U.S. citizen	2,500	D	3,000	4,500	D
Permanent resident	4,000	D	4,500	8,000	D
Temporary resident	7,000	D	4,000	D	D
Psychologists	1,000	1,000	3,500	3,500	2,500
U.S. citizen	1,000	1,000	3,500	3,500	2,500
Native-born	500	1,500	3,000	3,500	2,000
Naturalized	18,500	20,000	S	25,000	5,500
Non-U.S. citizen	18,000	S	11,500	D	D
Permanent resident	14,000	S	6,500	D	D
Temporary resident	D	D	D	D	D
Sociologists/anthropologists	7,500	7,500	5,000	D	7,000
U.S. citizen	4,500	6,500	5,500	D	7,000
Native-born	4,500	7,000	5,000	D	9,000
Naturalized	12,500	D	19,500	D	17,000
Non-U.S. citizen	D	D	3,500	D	D
Permanent resident	S	D	S	D	D
Temporary resident	D	D	9,500	D	D
Other social/related scientists	3,000	7,000	8,500	D	3,500
U.S. citizen	4,000	5,500	10,500	D	4,000
Native-born	3,500	5,500	11,000	11,000	5,000
Naturalized	14,000	39,000	6,000	D	D
Non-U.S. citizen	11,500	8,000	12,500	D	D
Permanent resident	10,500	9,500	14,000	D	D
Temporary resident	D	D	D	D	D
Engineering occupations	1,500	3,500	2,000	5,500	3,000
U.S. citizen	500	1,500	500	D	4,000
Native-born	4,000	2,500	1,500	D	1,500
Naturalized	3,500	4,000	3,000	D	6,000
Non-U.S. citizen	2,500	500	3,000	D	2,000
Permanent resident	3,000	1,000	3,500	D	11,000
Temporary resident	4,000	2,500	15,000	D	6,500
Aerospace/aeronautical/astronautical engineers	6,500	8,500	19,500	D	3,500
U.S. citizen	3,000	6,500	13,000	D	3,500
Native-born	3,500	7,000	D	D	7,000
Naturalized	11,000	10,500	D	D	10,000
Non-U.S. citizen	17,000	9,500	9,500	D	D
Permanent resident	17,500	4,500	D	D	D
Temporary resident	9,500	D	D	D	D
Chemical engineers	3,000	4,500	15,500	D	7,500
U.S. citizen	2,000	3,000	34,000	D	6,000
Native-born	5,000	4,000	S	D	6,000
Naturalized	6,500	6,000	D	D	D
Non-U.S. citizen	8,000	10,500	29,000	D	D
Permanent resident	10,000	11,500	D	D	D
Temporary resident	3,500	20,500	D	D	D

TABLE A-14. Standard errors of median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, citizenship status, and employment sector: 2008

Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment: Business/ industry	4-year college/ university	Other educational institution	Government
Civil/architectural/sanitary engineers	6,000	6,500	14,500	D	11,500
U.S. citizen	1,500	3,500	7,500	D	6,000
Native-born	14,500	17,500	35,000	D	8,000
Naturalized	4,500	10,000	10,500	D	8,000
Non-U.S. citizen	2,500	4,500	18,500	D	3,500
Permanent resident	10,500	10,500	D	D	4,500
Temporary resident	4,500	5,000	21,000	D	D
Electrical/computer hardware engineers	3,500	3,000	8,000	D	8,500
U.S. citizen	3,000	1,500	10,000	D	11,500
Native-born	5,000	4,000	8,500	D	10,000
Naturalized	4,500	6,000	20,000	D	9,500
Non-U.S. citizen	500	1,000	2,500	D	D
Permanent resident	5,500	5,500	17,000	D	D
Temporary resident	4,000	1,000	7,000	D	D
Industrial engineers	14,500	15,000	D	D	D
U.S. citizen	18,500	21,000	D	D	D
Native-born	12,000	8,000	D	D	D
Naturalized	21,500	16,500	D	D	D
Non-U.S. citizen	13,000	19,000	D	D	D
Permanent resident	D	D	D	D	D
Temporary resident	D	D	D	D	D
Mechanical engineers	500	1,000	9,000	D	3,000
U.S. citizen	5,000	4,000	3,000	D	9,500
Native-born	6,000	5,500	15,000	D	9,500
Naturalized	5,000	7,000	16,000	D	D
Non-U.S. citizen	2,500	6,000	19,500	D	D
Permanent resident	3,000	4,500	D	D	D
Temporary resident	3,500	4,000	19,500	D	D
Postsecondary teachers-engineering	3,000	D	3,000	D	19,500
U.S. citizen	1,500	D	500	D	19,500
Native-born	3,000	D	3,000	D	12,500
Naturalized	500	D	1,000	D	D
Non-U.S. citizen	2,000	D	2,000	D	D
Permanent resident	5,500	D	5,500	D	D
Temporary resident	7,000	D	7,000	D	D
Other engineers	500	6,000	21,500	D	6,000
U.S. citizen	5,000	1,500	8,500	D	6,000
Native-born	5,000	7,500	4,500	D	3,500
Naturalized	1,500	1,000	19,000	D	7,500
Non-U.S. citizen	1,500	5,500	2,000	D	500
Permanent resident	3,500	5,000	7,000	D	31,000
Temporary resident	3,000	2,000	4,000	D	D
S&E-related occupations	2,500	6,500	3,000	9,000	7,500
U.S. citizen	3,000	8,500	3,000	9,000	7,000
Native-born	5,500	4,500	3,000	11,000	7,500
Naturalized	9,500	5,500	7,000	13,000	7,000
Non-U.S. citizen	7,000	3,500	7,000	8,500	S
Permanent resident	12,500	4,000	8,000	8,500	S
Temporary resident	12,000	16,000	13,500	D	D

TABLE A-14. Standard errors of median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, citizenship status, and employment sector: 2008

Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment: Business/ industry	4-year college/ university	Other educational institution	Government
Health occupations	2,500	12,500	2,500	20,500	8,500
U.S. citizen	3,500	16,500	2,500	21,500	6,000
Native-born	4,500	19,000	3,500	20,500	6,000
Naturalized	11,500	42,000	7,500	D	47,000
Non-U.S. citizen	7,000	D	11,500	D	S
Permanent resident	8,000	D	11,000	D	S
Temporary resident	27,500	D	15,000	D	D
S&E managers, including health	4,000	5,500	7,500	D	5,000
U.S. citizen	500	1,000	1,500	D	5,500
Native-born	4,500	1,500	6,500	D	8,000
Naturalized	8,500	4,500	11,500	D	7,500
Non-U.S. citizen	14,000	9,500	7,000	D	D
Permanent resident	11,500	6,500	9,000	D	D
Temporary resident	13,000	19,500	D	D	D
S&E precollege teachers	8,500	D	D	9,000	D
U.S. citizen	9,000	D	D	9,500	D
Native-born	11,000	D	D	11,500	D
Naturalized	13,500	D	D	13,000	D
Non-U.S. citizen	8,000	D	D	8,000	D
Permanent resident	7,000	D	D	7,000	D
Temporary resident	D	D	D	D	D
S&E technicians/technologists	7,500	2,500	8,500	D	S
U.S. citizen	9,000	7,500	2,500	D	S
Native-born	19,500	15,500	9,000	D	D
Naturalized	11,000	11,000	D	D	D
Non-U.S. citizen	9,000	15,000	D	D	D
Permanent resident	15,500	14,000	D	D	D
Temporary resident	6,000	9,500	D	D	D
Other S&E-related occupations	12,000	9,000	D	D	D
U.S. citizen	15,500	15,500	D	D	D
Native-born	12,000	13,000	D	D	D
Naturalized	20,000	D	D	D	D
Non-U.S. citizen	29,000	29,000	D	D	D
Permanent resident	D	D	D	D	D
Temporary resident	D	D	D	D	D
Non-S&E occupations	3,500	6,000	2,000	5,000	7,000
U.S. citizen	3,500	6,500	2,000	5,500	7,000
Native-born	3,000	6,500	2,500	6,500	10,500
Naturalized	6,000	10,000	6,000	9,000	11,000
Non-U.S. citizen	10,500	5,500	11,500	35,000	D
Permanent resident	13,000	6,500	14,500	11,000	D
Temporary resident	3,500	1,500	34,500	D	D
Arts/humanities/related occupations	8,000	10,500	14,000	D	D
U.S. citizen	9,500	8,500	1,500	D	D
Native-born	9,000	8,000	1,500	D	9,000
Naturalized	32,000	13,500	D	D	D
Non-U.S. citizen	19,000	22,000	D	D	D
Permanent resident	18,500	21,000	D	D	D
Temporary resident	D	D	D	D	D

TABLE A-14. Standard errors of median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, citizenship status, and employment sector: 2008

Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment: Business/ industry	4-year college/ university	Other educational institution	Government
Management-related occupations	4,500	9,000	6,000	4,000	14,500
U.S. citizen	5,000	15,000	5,500	4,000	14,000
Native-born	6,000	17,000	6,500	7,500	31,500
Naturalized	9,000	20,000	15,000	D	1,000
Non-U.S. citizen	7,500	9,500	17,000	D	21,500
Permanent resident	5,500	4,500	17,000	D	D
Temporary resident	1,000	1,000	D	D	D
Non-S&E managers	6,500	6,500	8,000	12,500	12,500
U.S. citizen	6,500	7,500	8,500	12,500	12,500
Native-born	9,000	7,500	6,000	12,500	15,000
Naturalized	7,000	19,000	14,500	21,000	10,000
Non-U.S. citizen	22,000	26,000	4,000	D	D
Permanent resident	25,000	28,000	13,000	D	D
Temporary resident	18,000	17,500	D	D	D
Non-S&E postsecondary teachers	2,000	D	2,500	12,000	D
U.S. citizen	2,000	D	2,000	S	D
Native-born	4,500	D	4,000	21,500	D
Naturalized	10,500	D	8,000	5,000	D
Non-U.S. citizen	13,000	D	17,000	D	D
Permanent resident	16,000	D	14,000	D	D
Temporary resident	38,000	D	38,000	D	D
Non-S&E precollege/other teachers	9,500	8,500	D	13,500	27,500
U.S. citizen	10,500	8,500	D	15,500	D
Native-born	12,500	8,500	D	7,000	D
Naturalized	2,000	D	D	10,000	D
Non-U.S. citizen	3,000	D	D	3,000	D
Permanent resident	D	D	D	D	D
Temporary resident	D	D	D	D	D
Sales/marketing occupations	10,000	9,500	D	D	D
U.S. citizen	21,000	21,000	D	D	D
Native-born	20,000	21,000	D	D	D
Naturalized	25,000	26,000	D	D	D
Non-U.S. citizen	16,500	16,500	D	D	D
Permanent resident	20,000	20,000	D	D	D
Temporary resident	10,000	10,000	D	D	D
Social services/related occupations	11,000	16,000	12,000	3,500	2,500
U.S. citizen	11,000	15,500	13,000	3,500	500
Native-born	11,000	10,000	14,000	2,500	2,500
Naturalized	15,500	14,000	D	D	D
Non-U.S. citizen	D	D	D	D	D
Permanent resident	D	D	D	D	D
Temporary resident	D	D	D	D	D
Other non-S&E occupations	5,500	7,500	5,500	2,000	500
U.S. citizen	8,000	8,500	5,500	2,000	1,000
Native-born	9,000	13,500	6,000	2,000	2,000
Naturalized	11,000	23,000	D	D	10,000

TABLE A-14. Standard errors of median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, citizenship status, and employment sector: 2008

Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment			
		Business/ industry	4-year college/ university	Other educational institution	Government
Non-U.S. citizen	11,000	11,000	D	D	D
Permanent resident	8,000	8,500	D	D	D
Temporary resident	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. 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.

TABLE A-15. Standard errors for median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, age, and primary/secondary work activity: 2008

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, administration	Computer applications	Other
All degree levels and occupations[a]	1,000	500	1,500	500	500	500
<30	1,000	500	500	500	4,000	500
30–39	500	2,000	2,500	500	2,000	500
40–49	1,500	1,500	1,000	1,500	2,000	2,500
50–59	1,500	2,500	500	1,000	2,500	500
60–75	2,000	2,500	2,500	3,000	3,500	2,500
S&E occupations	500	500	1,500	1,500	1,000	3,000
<30	500	1,000	500	500	1,000	6,000
30–39	1,500	1,000	3,500	500	1,500	1,000
40–49	500	1,500	1,000	1,500	1,000	2,500
50–59	1,500	2,000	1,000	2,000	2,500	2,500
60–75	2,000	1,000	3,500	1,500	3,500	5,000
Science occupations	500	500	1,000	500	3,000	3,000
<30	1,000	2,000	500	500	500	500
30–39	1,500	1,500	3,000	2,000	1,500	2,500
40–49	1,000	1,500	3,000	2,500	1,000	4,500
50–59	1,500	2,000	3,000	2,000	2,500	2,500
60–75	2,000	2,000	2,500	4,000	3,500	4,000
Biological/agricultural/other life scientists	5,000	1,500	2,000	4,000	5,000	1,500
<30	3,500	500	4,000	2,500	11,000	1,500
30–39	2,000	1,500	3,500	3,500	2,000	10,000
40–49	3,000	2,000	3,500	4,000	12,500	3,500
50–59	4,000	3,500	6,500	4,500	22,500	6,000
60–75	5,500	1,000	5,500	8,000	S	7,500
Agricultural/food scientists	4,000	5,000	21,500	5,500	3,500	4,500
<30	3,000	15,500	D	S	D	2,500
30–39	4,000	4,500	D	16,500	D	S
40–49	12,500	6,500	D	14,000	D	3,500
50–59	12,000	15,000	37,500	14,000	D	8,000
60–75	S	18,500	D	S	D	4,000
Biological/medical scientists	1,000	1,500	6,000	3,500	4,000	3,500
<30	500	1,000	1,000	4,500	10,500	10,500
30–39	3,000	1,000	6,500	3,000	3,000	5,500
40–49	3,000	3,000	3,000	5,500	9,500	10,500
50–59	4,500	3,500	S	9,500	4,000	10,000
60–75	1,000	1,000	21,500	7,500	S	14,500
Environmental life scientists	3,000	7,000	5,000	3,500	3,000	4,000
<30	2,000	2,500	D	2,000	D	D
30–39	4,500	11,000	7,000	2,000	D	5,000
40–49	4,000	2,000	D	2,500	D	S
50–59	6,000	9,500	D	6,500	D	18,500
60–75	8,000	D	D	8,000	D	20,500
Postsecondary teachers-life/related sciences	4,500	4,500	2,000	5,000	S	10,500
<30	1,500	1,000	1,500	1,000	D	D
30–39	4,000	4,500	3,500	5,500	D	12,000
40–49	500	5,000	2,000	5,500	D	6,000
50–59	5,000	8,000	5,000	3,000	D	1,500
60–75	6,000	7,500	6,000	6,500	1,500	D

TABLE A-15. Standard errors for median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, age, and primary/secondary work activity: 2008

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, administration	Computer applications	Other
Computer/mathematical scientists	500	1,500	3,000	1,000	3,000	2,000
<30	1,000	1,000	3,000	1,000	500	4,500
30–39	2,000	2,000	5,000	3,000	1,500	2,500
40–49	2,000	1,500	4,500	2,500	500	3,500
50–59	1,500	3,000	3,000	2,000	2,500	4,000
60–75	3,000	3,500	6,000	6,500	4,000	11,500
Computer/information scientists	1,500	500	5,000	1,500	1,000	2,000
<30	500	500	4,500	1,000	500	3,000
30–39	1,000	1,500	7,000	2,000	1,500	2,500
40–49	2,000	1,500	8,500	1,500	500	3,500
50–59	2,000	4,000	9,500	2,000	3,000	4,500
60–75	3,000	3,500	S	6,500	3,500	9,000
Mathematical scientists	6,500	3,500	S	3,500	3,500	3,500
<30	1,000	1,000	D	3,000	3,000	4,000
30–39	4,000	6,000	1,500	7,000	11,500	S
40–49	7,500	10,500	34,000	7,500	11,500	4,500
50–59	5,500	6,000	D	4,000	8,500	27,500
60–75	7,500	18,500	D	22,500	17,000	15,500
Postsecondary teachers-computer/mathematical sciences	2,000	2,500	2,000	6,500	15,000	9,500
<30	1,500	2,500	1,000	3,500	D	D
30–39	3,500	6,000	3,500	4,500	D	3,000
40–49	4,500	6,000	4,500	13,500	3,000	S
50–59	2,000	7,500	1,500	3,000	6,500	8,000
60–75	12,500	7,500	11,500	S	4,500	S
Physical/related scientists	2,000	2,500	7,500	3,500	3,500	2,000
<30	6,500	2,000	500	3,000	3,500	3,000
30–39	2,500	2,000	2,000	3,000	7,500	4,000
40–49	4,000	2,500	4,500	4,000	10,000	7,500
50–59	4,000	2,000	3,000	5,000	15,000	6,500
60–75	5,500	6,000	10,000	9,000	11,500	6,500
Chemists, except biochemists	2,000	3,000	9,500	4,000	5,500	4,000
<30	1,000	1,500	1,000	4,500	500	2,500
30–39	3,500	4,500	D	8,000	16,000	5,500
40–49	3,500	5,500	D	10,000	S	9,000
50–59	5,000	2,000	S	10,000	7,000	5,500
60–75	8,500	9,500	20,000	14,500	D	6,500
Earth/atmospheric/ocean scientists	3,000	5,000	1,000	5,000	3,000	6,500
<30	500	1,000	D	3,500	5,500	5,000
30–39	4,000	2,500	D	2,500	11,500	5,500
40–49	7,000	4,000	D	8,000	8,500	15,500
50–59	5,000	7,000	9,000	5,500	16,000	25,000
60–75	11,000	6,500	D	11,000	1,500	32,500
Physicists/astronomers	3,000	8,000	S	4,000	11,000	2,500
<30	3,000	1,000	D	9,000	2,500	S
30–39	8,000	6,500	D	9,000	6,000	7,000
40–49	3,000	6,000	D	3,000	13,500	1,500
50–59	5,500	4,500	8,500	11,500	15,000	9,000
60–75	8,000	9,000	D	14,000	8,500	D

TABLE A-15. Standard errors for median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, age, and primary/secondary work activity: 2008

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, administration	Computer applications	Other
Postsecondary teachers-physical/related sciences	3,500	3,000	6,000	6,500	4,500	5,500
<30	500	1,000	1,000	3,500	D	4,000
30–39	1,500	2,000	2,000	6,000	D	2,500
40–49	4,000	5,000	4,000	9,500	D	11,000
50–59	4,500	6,000	5,000	9,500	D	5,500
60–75	9,000	11,000	9,500	3,500	D	22,500
Other physical/related scientists	3,000	6,000	20,000	3,000	23,500	8,500
<30	5,000	6,500	D	5,000	D	2,000
30–39	8,000	6,000	D	5,500	D	4,500
40–49	8,500	14,500	D	12,000	D	13,000
50–59	18,000	11,000	D	21,000	500	2,000
60–75	S	S	D	14,000	D	9,000
Social/related scientists	500	2,500	3,000	2,500	5,000	4,500
<30	2,000	1,500	1,000	2,000	5,000	5,000
30–39	2,000	2,000	3,500	6,000	12,500	3,500
40–49	1,500	4,000	4,000	5,500	12,500	2,000
50–59	4,000	4,000	3,500	6,500	21,500	3,500
60–75	6,000	5,500	5,000	5,500	10,000	2,500
Economists	9,000	9,500	5,000	11,000	5,500	7,500
<30	9,000	4,000	D	D	10,000	20,500
30–39	12,000	19,000	D	31,500	22,500	D
40–49	8,500	13,500	D	25,000	30,500	9,500
50–59	23,500	40,500	D	35,500	7,000	34,000
60–75	21,500	5,000	D	28,000	12,500	56,500
Political/related scientists	17,500	5,500	S	14,500	D	21,500
<30	4,000	6,000	D	7,000	D	D
30–39	17,000	27,000	D	S	D	D
40–49	8,500	18,500	D	7,500	D	D
50–59	S	9,000	D	2,500	D	D
60–75	5,000	47,000	D	D	D	D
Postsecondary teachers-social/related sciences	2,500	3,500	2,000	2,500	S	9,500
<30	1,500	1,000	1,500	1,500	D	D
30–39	3,500	1,000	3,000	12,000	D	2,000
40–49	2,000	4,000	3,000	6,500	D	4,500
50–59	4,000	3,500	4,000	8,000	D	D
60–75	6,500	6,500	7,000	9,000	D	7,500
Psychologists	2,000	7,000	3,000	1,000	1,500	1,000
<30	3,000	3,500	6,500	5,500	D	5,000
30–39	1,500	3,000	24,500	4,000	D	6,500
40–49	3,500	8,000	8,000	3,000	D	4,000
50–59	2,000	5,500	7,500	5,000	10,500	2,500
60–75	1,500	7,500	4,500	5,000	D	2,000
Sociologists/anthropologists	3,000	3,000	S	7,000	10,500	12,000
<30	1,000	500	D	7,000	D	D
30–39	10,500	17,000	D	D	D	D
40–49	3,500	2,500	D	8,000	D	D
50–59	11,000	6,500	D	11,000	D	41,500
60–75	29,000	S	D	1,500	D	S

TABLE A-15. Standard errors for median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, age, and primary/secondary work activity: 2008

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, administration	Computer applications	Other
Other social/related scientists	4,500	5,500	S	5,000	11,000	5,000
<30	4,000	2,000	11,000	2,500	5,500	D
30–39	5,500	8,500	D	4,500	D	1,500
40–49	8,500	15,000	19,500	9,500	11,500	3,500
50–59	7,000	9,000	D	12,500	23,500	22,500
60–75	25,500	53,500	D	30,000	D	S
Engineering occupations	1,000	1,500	3,500	1,500	2,000	2,000
<30	1,000	2,000	11,000	1,500	500	500
30–39	1,000	1,000	7,500	1,500	1,500	500
40–49	1,000	1,500	5,000	1,500	3,500	2,500
50–59	2,000	500	9,000	1,000	2,500	3,500
60–75	3,500	2,500	4,000	3,500	9,500	5,000
Aerospace/aeronautical/astronautical engineers	2,500	3,000	8,500	4,000	6,500	10,000
<30	500	500	8,000	1,500	4,000	4,500
30–39	1,500	2,500	D	2,500	15,000	7,000
40–49	3,500	3,500	D	6,500	7,500	9,000
50–59	5,000	3,000	D	10,000	10,000	13,500
60–75	8,000	10,000	D	12,500	18,500	34,500
Chemical engineers	2,500	3,000	D	2,000	4,000	6,000
<30	3,500	2,500	D	1,000	3,000	5,000
30–39	3,000	2,500	D	2,500	8,000	4,000
40–49	5,000	3,000	D	4,500	2,500	7,500
50–59	7,500	8,000	D	13,000	3,500	6,500
60–75	12,500	17,500	D	9,500	D	6,500
Civil/architectural/sanitary engineers	1,000	2,000	12,000	2,000	5,500	1,000
<30	500	1,000	D	2,000	4,500	1,000
30–39	3,000	2,500	11,500	1,500	3,500	1,500
40–49	3,000	2,500	8,500	1,500	32,500	3,500
50–59	3,000	6,000	D	2,500	5,500	6,000
60–75	2,500	5,500	D	1,500	31,000	19,500
Electrical/computer hardware engineers	1,500	1,500	6,500	2,000	1,000	1,500
<30	500	1,000	D	1,000	500	1,500
30–39	1,500	2,500	11,000	3,500	2,000	8,000
40–49	500	3,000	10,000	500	3,500	4,000
50–59	500	2,000	D	1,000	4,500	8,500
60–75	6,000	6,500	D	8,000	5,500	7,500
Industrial engineers	3,000	3,500	18,000	4,000	3,000	4,000
<30	500	2,500	10,000	1,000	5,000	2,500
30–39	4,000	4,500	D	3,500	3,500	4,000
40–49	3,000	6,500	D	5,000	9,500	7,500
50–59	7,000	9,500	D	7,000	15,000	10,500
60–75	30,500	S	D	30,000	D	24,500
Mechanical engineers	1,000	1,500	2,000	1,500	3,500	3,000
<30	1,500	1,000	13,000	1,000	1,000	1,000
30–39	1,500	1,000	8,500	2,500	5,500	4,000
40–49	1,500	1,500	21,000	1,500	4,000	4,000
50–59	3,000	4,000	2,000	2,500	7,500	6,500
60–75	6,000	8,000	28,500	6,000	D	7,500

TABLE A-15. Standard errors for median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, age, and primary/secondary work activity: 2008

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, administration	Computer applications	Other
Postsecondary teachers-engineering	5,000	1,000	3,000	6,000	S	13,000
<30	3,000	8,500	3,500	4,000	D	D
30–39	5,500	5,500	4,500	6,500	S	3,500
40–49	5,000	7,500	6,500	12,000	D	11,500
50–59	9,500	2,500	9,500	17,500	D	D
60–75	6,000	4,500	5,000	7,500	22,500	21,500
Other engineers	2,500	2,500	1,000	1,500	6,500	3,000
<30	500	500	5,000	1,500	7,500	500
30–39	500	3,500	14,500	1,000	14,500	5,000
40–49	3,000	4,500	3,500	4,000	4,000	7,000
50–59	3,000	1,500	17,000	3,500	20,500	8,000
60–75	8,000	13,000	14,000	8,000	S	12,000
S&E-related occupations	1,000	1,000	1,500	2,000	4,500	1,500
<30	500	1,500	500	2,000	4,500	1,000
30–39	2,000	1,500	1,500	1,000	4,000	2,000
40–49	2,000	3,500	500	3,500	4,500	2,000
50–59	500	1,500	2,000	1,500	3,000	1,000
60–75	1,500	5,500	4,000	3,500	4,500	3,000
Health occupations	1,000	2,500	500	1,000	1,000	1,500
<30	500	4,000	1,000	500	2,000	3,000
30–39	2,500	4,000	4,000	3,000	2,500	4,000
40–49	1,500	6,500	3,500	4,000	7,500	2,500
50–59	1,500	5,500	2,500	1,500	7,500	1,000
60–75	2,000	10,500	6,000	4,000	17,500	4,500
S&E managers, including health	1,000	2,500	29,500	1,000	6,000	3,500
<30	12,500	15,000	D	12,500	D	22,000
30–39	7,000	7,500	D	5,000	11,000	14,000
40–49	3,500	8,500	22,000	3,000	7,000	6,000
50–59	3,500	5,500	7,000	3,500	9,000	11,000
60–75	3,000	7,000	D	3,500	47,000	18,000
S&E precollege teachers	1,000	1,000	1,000	1,500	9,500	2,500
<30	1,000	1,000	1,000	500	11,500	4,000
30–39	2,000	1,000	2,000	1,500	2,000	4,500
40–49	2,000	1,000	2,000	2,000	14,000	7,000
50–59	1,500	2,500	1,000	1,500	8,500	10,000
60–75	4,000	12,000	3,000	5,000	D	6,000
S&E technicians/technologists	2,500	2,500	16,500	3,000	2,500	2,500
<30	1,500	5,000	2,500	3,000	5,500	1,000
30–39	6,500	2,500	D	9,000	4,500	4,000
40–49	500	2,500	4,000	1,000	3,000	8,000
50–59	3,500	7,500	5,500	4,500	4,000	5,000
60–75	9,000	14,000	D	13,500	5,500	5,000
Other S&E-related occupations	1,000	4,000	D	2,000	5,500	2,000
<30	3,500	1,500	D	14,000	2,000	10,500
30–39	2,500	3,000	D	4,000	31,000	6,000
40–49	3,500	5,000	D	3,000	18,500	4,500
50–59	6,000	13,500	D	5,500	D	12,000
60–75	7,500	8,500	D	12,000	D	9,000

TABLE A-15. Standard errors for median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, age, and primary/secondary work activity: 2008

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, administration	Computer applications	Other
Non-S&E occupations	1,500	500	1,500	1,500	2,000	1,500
<30	500	1,000	3,000	500	500	500
30–39	2,500	3,000	1,500	3,000	3,500	1,000
40–49	500	3,500	2,000	2,500	9,500	3,000
50–59	1,500	2,500	2,000	1,500	3,000	2,000
60–75	2,500	4,000	2,000	3,500	9,500	2,500
Arts/humanities/related occupations	7,000	3,500	6,000	3,500	15,500	3,500
<30	2,000	1,500	3,500	2,000	5,000	3,000
30–39	8,000	10,500	D	7,500	S	10,500
40–49	3,500	6,000	9,000	6,500	26,000	8,000
50–59	4,500	11,500	S	4,500	9,000	9,500
60–75	9,500	10,000	4,000	S	D	8,000
Management-related occupations	2,000	3,500	6,500	2,000	6,500	3,500
<30	500	8,500	3,000	500	1,000	3,500
30–39	2,500	5,000	6,000	2,500	7,000	9,500
40–49	3,000	7,000	4,500	3,000	6,500	3,000
50–59	2,500	6,000	10,500	3,000	13,000	7,500
60–75	5,000	17,500	S	5,000	13,500	7,000
Non-S&E managers	2,000	5,500	6,000	2,000	12,500	2,000
<30	10,000	16,500	12,000	11,500	D	3,500
30–39	4,000	6,000	14,000	4,500	19,000	9,000
40–49	3,000	9,500	20,000	3,000	14,500	8,000
50–59	6,000	6,500	8,500	6,500	12,000	10,000
60–75	6,500	23,000	10,500	6,500	19,000	8,000
Non-S&E postsecondary teachers	3,500	2,500	2,000	5,500	3,000	3,500
<30	1,000	1,000	1,500	S	D	4,000
30–39	5,500	4,000	5,500	3,500	D	500
40–49	4,500	4,000	4,500	8,000	D	6,000
50–59	2,000	5,000	1,500	2,500	D	18,500
60–75	4,000	22,000	6,500	S	D	9,000
Non-S&E precollege/other teachers	1,000	1,000	1,000	1,500	5,000	3,000
<30	500	1,500	500	5,500	24,000	3,500
30–39	2,000	2,500	2,000	3,000	6,500	3,000
40–49	2,000	3,000	2,500	2,500	13,000	7,000
50–59	1,500	3,000	1,500	3,500	4,500	3,500
60–75	4,000	7,000	5,000	8,000	D	S
Sales/marketing occupations	3,000	3,000	4,000	3,500	4,500	3,000
<30	3,000	10,500	4,000	2,500	4,000	1,500
30–39	3,000	7,000	4,000	6,500	32,000	4,500
40–49	3,500	5,000	20,500	3,500	7,000	11,500
50–59	4,000	10,000	16,500	4,000	S	6,500
60–75	5,000	13,000	S	4,500	10,500	11,500
Social services/related occupations	1,000	2,000	1,500	2,000	3,500	1,000
<30	500	1,500	2,500	1,000	D	1,500
30–39	1,500	2,000	1,000	1,000	4,000	1,500
40–49	500	3,000	6,000	4,000	8,000	500
50–59	1,000	9,500	3,000	1,500	7,500	2,000
60–75	3,500	4,500	15,000	4,500	D	4,500

TABLE A-15. Standard errors for median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, age, and primary/secondary work activity: 2008

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, administration	Computer applications	Other
Other non-S&E occupations	1,500	500	3,500	1,500	2,500	2,000
<30	500	1,500	7,000	1,000	2,500	2,000
30–39	1,000	5,500	7,500	1,500	2,500	2,500
40–49	3,000	5,500	7,000	3,000	6,000	3,500
50–59	500	3,000	6,000	2,000	7,000	3,500
60–75	2,500	5,000	5,500	3,500	2,000	2,000
Bachelor's degrees, all occupations	500	3,500	2,000	1,000	2,000	1,000
<30	500	500	500	500	4,000	500
30–39	500	500	2,000	1,500	500	2,000
40–49	500	1,000	2,500	1,000	1,500	500
50–59	500	2,500	1,000	1,000	1,500	2,500
60–75	2,500	5,500	3,000	3,000	5,000	1,500
S&E occupations	500	500	4,000	500	500	1,000
<30	500	500	2,500	500	500	500
30–39	1,000	1,000	5,500	2,000	1,000	1,000
40–49	1,500	1,000	8,000	2,000	1,500	2,500
50–59	1,000	2,000	8,000	2,000	1,000	3,500
60–75	2,500	3,500	9,500	3,500	3,500	10,000
Science occupations	500	500	8,000	3,500	500	6,000
<30	500	1,000	3,500	500	500	3,000
30–39	2,000	2,500	9,500	1,500	500	2,000
40–49	1,500	2,500	6,000	2,500	1,500	5,000
50–59	1,500	3,000	10,500	3,000	2,000	2,500
60–75	5,000	7,500	13,500	5,000	4,000	8,500
Biological/agricultural/other life scientists	2,500	6,500	1,500	2,500	18,000	5,500
<30	500	500	7,000	2,500	5,500	1,000
30–39	2,500	4,500	3,000	7,500	12,500	1,500
40–49	6,500	4,500	12,500	7,500	D	4,000
50–59	3,500	7,000	10,500	5,500	14,500	5,000
60–75	6,500	6,500	D	4,000	D	16,000
Agricultural/food scientists	2,500	4,000	3,000	8,000	D	2,000
<30	6,500	5,500	D	25,000	D	2,500
30–39	5,000	9,000	D	5,500	D	9,000
40–49	14,500	S	D	S	D	2,000
50–59	10,000	28,000	D	13,500	D	9,500
60–75	D	D	D	D	D	D
Biological/medical scientists	1,500	3,500	2,500	2,500	S	3,000
<30	1,500	500	1,000	2,000	5,000	1,500
30–39	4,000	4,000	D	14,000	D	4,000
40–49	7,500	9,000	D	8,000	D	5,500
50–59	5,500	9,500	D	6,500	15,500	2,500
60–75	10,500	5,000	D	7,000	D	16,500
Environmental life scientists	6,000	9,000	4,000	4,000	D	9,000
<30	2,500	D	D	2,000	D	D
30–39	8,500	6,500	D	8,000	D	D
40–49	6,000	4,500	D	3,000	D	S
50–59	15,000	13,000	D	17,500	D	19,000
60–75	19,500	D	D	19,000	D	D

TABLE A-15. Standard errors for median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, age, and primary/secondary work activity: 2008

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, administration	Computer applications	Other
Postsecondary teachers-life/related sciences	4,500	5,000	6,500	1,500	D	11,000
<30	1,500	2,500	1,500	1,000	D	D
30–39	D	D	D	D	D	D
40–49	D	D	D	D	D	D
50–59	D	D	D	D	D	D
60–75	D	D	D	D	D	D
Computer/mathematical scientists	1,000	1,500	6,500	1,500	500	2,000
<30	500	500	5,000	2,500	1,000	2,000
30–39	2,000	1,500	9,000	1,000	1,000	6,000
40–49	2,000	2,000	7,500	2,000	1,500	4,500
50–59	2,000	2,000	6,500	3,500	1,500	4,500
60–75	4,000	11,000	D	5,500	4,000	17,500
Computer/information scientists	500	500	6,500	1,500	500	1,500
<30	2,000	2,500	3,000	1,500	1,000	1,500
30–39	1,500	2,000	4,500	1,500	1,500	6,000
40–49	2,500	2,500	8,500	2,000	1,500	4,500
50–59	1,500	3,000	16,000	4,000	1,500	3,500
60–75	4,000	10,000	D	6,000	4,000	17,000
Mathematical scientists	7,500	2,500	D	7,500	4,500	3,500
<30	4,500	4,500	D	19,500	8,000	3,000
30–39	8,000	4,000	D	6,500	11,000	S
40–49	24,000	28,500	D	13,500	D	D
50–59	9,000	12,000	D	5,000	6,000	D
60–75	31,000	32,000	D	D	D	D
Postsecondary teachers-computer/mathematical sciences	1,500	3,000	2,500	10,000	2,500	S
<30	500	1,500	2,500	3,500	D	D
30–39	S	D	S	D	D	D
40–49	1,500	D	1,000	D	D	D
50–59	8,000	D	8,000	D	D	D
60–75	S	D	S	D	D	D
Physical/related scientists	1,000	2,500	3,500	2,500	12,000	4,000
<30	2,500	2,000	2,000	500	500	2,500
30–39	5,000	3,000	D	2,500	6,500	6,000
40–49	2,500	6,000	D	3,500	10,000	4,000
50–59	6,000	7,500	D	10,500	7,500	7,500
60–75	7,500	11,500	D	17,500	D	7,000
Chemists, except biochemists	1,500	2,500	500	2,500	4,500	4,500
<30	1,000	1,500	D	5,000	500	2,000
30–39	4,000	4,000	D	4,500	2,500	9,000
40–49	7,000	10,000	D	14,000	D	11,000
50–59	5,500	8,500	D	13,500	D	6,000
60–75	5,500	10,000	D	19,000	D	7,000
Earth/atmospheric/ocean scientists	6,000	13,500	D	1,000	3,500	2,500
<30	4,500	8,500	D	4,500	5,000	5,500
30–39	5,500	6,500	D	2,500	D	7,000
40–49	1,500	3,500	D	2,000	D	4,500
50–59	14,500	20,000	D	7,000	9,500	5,000
60–75	15,000	28,500	D	D	D	D

TABLE A-15. Standard errors for median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, age, and primary/secondary work activity: 2008

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, administration	Computer applications	Other
Physicists/astronomers	S	3,000	D	D	5,000	D
<30	1,000	4,000	D	D	2,500	S
30–39	S	S	D	D	D	D
40–49	D	D	D	D	D	D
50–59	D	D	D	D	D	D
60–75	D	D	D	D	D	D
Postsecondary teachers-physical/related sciences	2,500	3,000	2,000	16,500	D	4,500
<30	1,000	2,000	1,000	5,500	D	4,500
30–39	6,000	10,500	11,500	D	D	D
40–49	D	D	D	D	D	D
50–59	D	D	D	D	D	D
60–75	D	D	D	D	D	D
Other physical/related scientists	5,500	7,500	D	5,500	D	2,000
<30	6,000	6,000	D	20,000	D	3,000
30–39	11,500	15,000	D	6,500	D	4,000
40–49	5,000	19,000	D	D	D	D
50–59	11,000	18,500	D	15,000	D	4,000
60–75	D	D	D	D	D	D
Social/related scientists	4,000	2,000	1,000	3,000	9,000	11,500
<30	7,500	5,500	2,000	8,000	3,500	S
30–39	6,500	6,500	4,500	13,000	D	4,000
40–49	6,000	9,000	D	10,500	20,000	30,500
50–59	20,500	29,000	D	23,000	D	S
60–75	4,000	D	D	7,000	D	D
Economists	8,500	4,000	D	6,000	20,500	D
<30	16,500	16,500	D	D	D	D
30–39	D	D	D	D	D	D
40–49	11,500	D	D	11,000	D	D
50–59	D	D	D	D	D	D
60–75	D	D	D	D	D	D
Political/related scientists	1,500	1,500	D	D	D	D
<30	S	S	D	D	D	D
30–39	14,500	D	D	D	D	D
40–49	D	D	D	D	D	D
50–59	D	D	D	D	D	D
60–75	D	D	D	D	D	D
Postsecondary teachers-social/related sciences	1,000	1,500	2,000	3,000	D	D
<30	1,500	1,000	4,500	D	D	D
30–39	5,000	D	5,000	D	D	D
40–49	D	D	D	D	D	D
50–59	D	D	D	D	D	D
60–75	D	D	D	D	D	D
Psychologists	2,000	1,500	D	4,500	D	3,000
<30	8,000	7,500	D	S	D	S
30–39	S	D	D	D	D	D
40–49	1,500	D	D	D	D	2,000
50–59	D	D	D	D	D	D
60–75	D	D	D	D	D	D

TABLE A-15. Standard errors for median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, age, and primary/secondary work activity: 2008

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, administration	Computer applications	Other
Sociologists/anthropologists	2,000	2,500	D	7,000	D	D
<30	6,000	3,000	D	9,000	D	D
30–39	D	D	D	D	D	D
40–49	D	D	D	D	D	D
50–59	D	D	D	D	D	D
60–75	D	D	D	D	D	D
Other social/related scientists	4,000	9,000	D	3,500	8,500	14,500
<30	3,500	2,000	D	6,500	D	D
30–39	8,000	13,500	D	10,000	D	5,000
40–49	9,000	16,000	D	9,500	D	4,500
50–59	30,000	24,500	D	31,500	D	S
60–75	4,000	D	D	9,500	D	D
Engineering occupations	2,000	500	6,000	1,500	2,500	2,000
<30	500	500	S	500	3,000	500
30–39	500	1,500	7,000	500	4,000	3,500
40–49	2,500	2,000	12,000	2,000	3,000	1,500
50–59	1,500	3,000	15,500	2,500	3,500	5,000
60–75	3,500	4,000	18,500	2,500	3,500	9,000
Aerospace/aeronautical/astronautical engineers	4,500	4,000	1,000	5,000	11,500	17,500
<30	500	2,500	D	2,500	10,500	2,000
30–39	4,000	1,500	D	4,000	15,000	15,500
40–49	4,500	4,500	D	6,000	7,500	13,500
50–59	8,500	7,000	D	15,500	12,000	26,500
60–75	13,000	7,500	D	15,500	D	D
Chemical engineers	3,500	3,000	D	4,000	14,500	4,500
<30	2,000	1,500	D	1,000	3,000	5,000
30–39	2,500	4,500	D	2,500	D	1,500
40–49	3,500	6,000	D	2,500	7,000	15,500
50–59	8,500	13,500	D	12,000	5,000	5,500
60–75	26,500	30,500	D	26,500	D	17,000
Civil/architectural/sanitary engineers	2,000	1,500	11,500	500	3,000	1,000
<30	1,000	500	D	3,500	2,000	4,000
30–39	1,500	1,500	D	3,000	3,000	3,000
40–49	3,000	4,000	5,500	2,500	16,000	3,500
50–59	5,500	5,500	D	5,000	7,000	8,500
60–75	4,500	8,000	D	3,500	D	22,000
Electrical/computer hardware engineers	1,500	1,500	14,500	1,500	2,000	2,000
<30	1,000	1,000	D	2,500	2,000	2,000
30–39	1,000	1,500	D	3,500	1,500	6,000
40–49	2,500	2,500	D	2,000	6,000	4,000
50–59	3,000	4,000	D	2,500	7,500	10,000
60–75	7,500	7,000	D	8,000	8,000	6,500
Industrial engineers	2,000	3,000	16,000	2,000	2,000	7,000
<30	500	3,000	D	1,000	6,500	3,000
30–39	3,000	4,500	D	3,500	4,500	4,500
40–49	4,500	3,000	D	5,500	3,500	4,500
50–59	11,000	10,500	D	7,000	D	11,500
60–75	16,500	S	D	16,000	D	D

TABLE A-15. Standard errors for median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, age, and primary/secondary work activity: 2008

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, administration	Computer applications	Other
Mechanical engineers	2,000	500	2,500	2,500	6,500	6,000
<30	500	500	13,000	1,000	5,500	13,500
30–39	2,500	3,500	D	2,500	5,000	3,500
40–49	2,500	2,500	D	2,000	7,500	4,000
50–59	5,000	5,000	D	6,000	16,000	8,500
60–75	5,500	8,500	D	9,500	24,500	9,000
Postsecondary teachers-engineering	S	4,500	5,000	8,500	D	2,500
<30	8,500	500	S	D	D	D
30–39	D	D	D	D	D	D
40–49	6,500	D	6,500	D	D	D
50–59	D	D	D	D	D	D
60–75	S	D	S	D	D	D
Other engineers	1,000	2,000	4,500	3,000	5,000	3,000
<30	500	1,000	1,500	500	7,500	2,500
30–39	2,500	2,000	8,000	1,000	3,000	4,000
40–49	3,500	5,500	D	4,500	5,500	6,000
50–59	7,000	6,500	14,000	5,000	18,500	9,000
60–75	15,500	20,000	D	14,500	D	19,500
S&E-related occupations	1,000	2,000	500	1,000	3,000	1,000
<30	4,000	2,500	1,000	2,000	3,000	3,000
30–39	500	1,500	1,500	3,500	3,000	2,000
40–49	1,000	3,000	1,500	2,000	3,500	1,500
50–59	2,000	5,000	3,500	3,500	6,500	1,000
60–75	1,000	4,500	4,000	4,500	7,000	3,500
Health occupations	1,500	1,000	1,500	2,000	6,000	3,000
<30	2,000	500	500	1,000	2,500	1,000
30–39	1,500	4,500	2,000	2,500	3,500	1,500
40–49	2,500	3,000	3,000	1,500	9,000	3,000
50–59	1,000	6,000	3,500	4,000	7,500	1,000
60–75	4,000	13,500	6,000	4,000	11,500	5,000
S&E managers, including health	2,000	7,000	D	2,500	5,500	11,000
<30	4,500	D	D	4,500	D	D
30–39	4,500	15,000	D	5,000	12,500	4,500
40–49	4,000	11,000	D	4,000	7,500	6,500
50–59	5,500	10,500	D	6,500	3,500	22,000
60–75	6,500	11,500	D	7,000	D	9,000
S&E precollege teachers	1,500	5,500	1,500	3,000	9,000	4,000
<30	2,000	2,000	2,000	1,000	D	5,500
30–39	2,000	2,500	2,000	3,000	D	D
40–49	2,500	5,000	3,000	6,000	D	9,000
50–59	1,500	6,500	1,500	2,500	6,500	3,500
60–75	11,500	6,000	9,000	16,500	D	D
S&E technicians/technologists	2,500	2,500	19,000	2,500	3,000	2,500
<30	500	4,000	D	2,000	5,000	1,000
30–39	5,000	4,000	D	9,000	6,000	3,500
40–49	1,500	3,500	4,000	500	3,000	8,000
50–59	4,000	8,500	5,500	6,500	4,000	5,500
60–75	11,000	11,000	D	13,500	11,000	5,500

TABLE A-15. Standard errors for median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, age, and primary/secondary work activity: 2008

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, administration	Computer applications	Other
Other S&E-related occupations	3,000	7,000	D	1,000	9,500	4,000
<30	15,000	6,500	D	2,500	1,500	11,000
30–39	4,000	6,500	D	6,500	33,500	9,500
40–49	5,500	7,500	D	4,500	18,000	4,000
50–59	5,000	11,500	D	5,500	D	11,000
60–75	11,000	5,000	D	17,500	D	8,500
Non-S&E occupations	1,000	2,500	1,500	1,500	3,500	1,500
<30	500	500	1,000	500	1,000	1,500
30–39	1,000	3,500	3,500	4,000	5,000	2,000
40–49	500	5,000	3,500	3,500	9,500	4,000
50–59	2,500	2,500	2,000	1,000	7,500	2,000
60–75	1,500	4,000	6,500	3,500	17,500	3,500
Arts/humanities/related occupations	2,500	6,500	11,000	8,000	22,500	4,000
<30	2,500	2,500	2,000	2,000	4,500	4,500
30–39	17,500	24,000	D	6,500	23,000	10,000
40–49	10,000	13,000	D	19,000	D	7,500
50–59	18,000	13,500	D	12,500	D	11,500
60–75	8,000	10,000	D	16,000	D	9,000
Management-related occupations	3,000	5,000	3,500	1,500	4,500	1,500
<30	500	5,500	3,000	500	9,500	1,000
30–39	5,000	9,000	4,000	6,000	8,000	4,000
40–49	4,000	4,500	4,500	3,500	18,500	7,500
50–59	3,000	11,000	14,500	3,000	26,500	10,000
60–75	4,000	17,000	S	6,000	11,000	5,500
Non-S&E managers	3,500	5,500	14,000	3,500	17,000	5,000
<30	2,000	6,000	D	2,500	D	18,500
30–39	4,000	5,500	5,000	4,000	15,500	11,000
40–49	5,500	9,000	9,500	5,500	23,000	7,500
50–59	6,000	7,000	21,500	6,500	16,000	8,000
60–75	15,000	14,000	D	15,000	D	19,000
Non-S&E postsecondary teachers	4,000	2,500	2,500	9,000	2,000	2,500
<30	7,000	S	1,000	5,000	D	D
30–39	S	D	S	D	D	D
40–49	S	S	S	D	D	D
50–59	8,500	D	7,500	4,000	D	D
60–75	S	D	S	D	D	D
Non-S&E precollege/other teachers	2,000	1,000	2,500	2,000	15,000	6,000
<30	2,000	1,500	2,000	2,000	D	2,000
30–39	5,500	2,000	5,500	8,500	D	16,500
40–49	2,500	7,000	3,500	2,000	D	3,000
50–59	4,000	3,500	4,000	7,500	D	9,500
60–75	7,500	D	10,500	11,500	D	D
Sales/marketing occupations	2,000	6,000	3,500	2,000	9,500	3,000
<30	3,000	8,000	4,500	2,500	7,000	1,500
30–39	4,000	4,000	7,000	4,500	11,000	4,500
40–49	5,000	10,000	27,000	5,000	7,500	31,000
50–59	6,000	13,500	25,000	6,000	S	7,500
60–75	4,500	25,500	D	4,000	S	10,000

TABLE A-15. Standard errors for median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, age, and primary/secondary work activity: 2008

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, administration	Computer applications	Other
Social services/related occupations	1,000	5,500	2,500	2,000	4,500	1,000
<30	500	3,000	1,500	1,500	D	500
30–39	2,000	3,000	1,500	2,000	D	3,000
40–49	3,000	8,500	4,000	4,000	D	3,000
50–59	3,500	D	S	3,500	15,500	3,000
60–75	8,500	D	S	D	D	6,500
Other non-S&E occupations	500	2,000	7,000	500	4,000	500
<30	1,000	1,500	4,000	4,000	4,000	3,000
30–39	1,500	6,000	7,500	2,000	6,000	1,000
40–49	2,000	5,000	4,000	2,000	9,000	3,000
50–59	2,000	2,500	7,000	2,000	5,500	2,500
60–75	2,000	6,000	10,000	2,500	8,500	3,500
Master's degrees, all occupations	500	2,500	500	1,500	1,000	1,000
<30	500	500	1,000	5,000	5,000	2,500
30–39	2,000	4,500	1,000	2,000	2,000	1,000
40–49	2,000	2,500	1,500	2,500	3,000	2,500
50–59	1,500	2,000	500	2,500	2,500	2,500
60–75	1,500	5,500	3,500	4,500	8,500	5,500
S&E occupations	1,000	1,000	1,500	1,500	1,500	4,000
<30	4,000	4,000	1,000	4,500	500	1,500
30–39	500	1,000	4,000	1,500	2,500	3,000
40–49	1,000	2,000	3,500	2,500	2,500	4,000
50–59	1,500	2,000	5,000	2,000	2,500	4,000
60–75	3,000	4,000	7,500	5,000	7,000	5,000
Science occupations	1,500	4,500	2,500	2,500	2,000	3,000
<30	4,000	1,500	1,500	2,000	1,000	9,000
30–39	2,000	3,500	3,000	3,500	3,500	3,000
40–49	2,000	3,000	3,500	3,500	4,000	3,500
50–59	3,000	2,500	5,500	4,000	2,500	3,500
60–75	2,500	8,500	6,000	9,500	8,000	5,000
Biological/agricultural/other life scientists	4,500	4,000	3,500	5,500	10,500	4,000
<30	3,500	7,500	9,500	5,000	9,000	3,000
30–39	2,000	4,500	8,500	6,000	2,000	5,500
40–49	4,000	5,000	1,500	8,000	2,000	12,500
50–59	5,000	7,500	6,500	3,000	D	10,000
60–75	9,000	13,000	S	9,500	D	S
Agricultural/food scientists	9,000	8,000	D	15,500	D	D
<30	8,000	4,000	D	9,500	D	D
30–39	18,000	3,000	D	11,000	D	D
40–49	5,000	9,000	D	6,000	D	D
50–59	17,000	S	D	16,500	D	D
60–75	1,000	D	D	D	D	D
Biological/medical scientists	2,500	4,000	1,500	2,500	8,000	6,500
<30	4,000	4,000	D	3,500	7,500	D
30–39	5,000	2,000	4,500	2,500	2,500	4,000
40–49	6,000	5,500	1,500	10,500	2,000	10,500
50–59	6,500	6,000	D	9,500	D	11,500
60–75	500	500	D	3,500	D	14,000

TABLE A-15. Standard errors for median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, age, and primary/secondary work activity: 2008

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, administration	Computer applications	Other
Environmental life scientists	4,500	8,000	D	5,000	D	3,500
<30	11,500	9,000	D	D	D	D
30–39	3,500	5,500	D	3,000	D	D
40–49	19,500	D	D	13,500	D	D
50–59	7,000	4,000	D	5,000	D	D
60–75	D	D	D	D	D	D
Postsecondary teachers-life/related sciences	2,000	11,500	4,500	6,000	D	19,500
<30	1,000	1,500	1,500	4,000	D	D
30–39	8,000	12,000	11,500	8,500	D	D
40–49	6,500	D	5,000	8,500	D	D
50–59	5,500	D	3,000	10,500	D	D
60–75	S	D	S	D	D	D
Computer/mathematical scientists	1,500	1,500	2,000	1,500	500	2,500
<30	500	500	2,000	500	500	2,000
30–39	5,000	3,500	3,000	1,500	1,000	15,000
40–49	3,000	1,000	6,000	2,500	3,000	5,500
50–59	2,000	2,500	6,500	3,500	2,500	9,500
60–75	8,000	5,000	S	16,000	8,500	27,500
Computer/information scientists	2,000	4,000	13,000	2,000	1,000	5,000
<30	2,000	5,000	D	500	3,000	5,500
30–39	1,000	3,000	S	2,000	1,000	8,000
40–49	1,000	2,000	13,500	4,000	2,000	6,000
50–59	2,000	1,500	14,500	2,000	2,500	8,500
60–75	5,000	3,000	D	19,500	9,000	8,500
Mathematical scientists	2,500	4,500	1,000	3,500	2,500	15,000
<30	6,500	16,000	1,000	3,500	500	7,000
30–39	7,000	11,500	D	8,500	7,000	S
40–49	8,500	5,000	D	16,500	7,500	D
50–59	9,500	9,500	D	21,000	14,000	D
60–75	S	S	D	D	D	D
Postsecondary teachers-computer/mathematical sciences	3,500	9,500	3,500	5,500	9,000	9,000
<30	2,500	2,000	2,500	S	D	D
30–39	5,500	17,000	5,000	12,500	D	S
40–49	5,000	3,000	4,500	20,500	D	D
50–59	7,000	S	7,000	11,000	8,500	13,500
60–75	9,500	11,000	10,000	D	D	D
Physical/related scientists	2,000	4,000	12,500	6,000	12,000	6,000
<30	2,500	3,500	2,000	5,500	3,000	7,000
30–39	8,000	7,500	S	3,000	S	2,000
40–49	3,000	6,000	1,000	10,500	23,000	8,500
50–59	5,500	7,000	S	6,000	11,500	19,500
60–75	16,500	18,000	D	13,000	D	15,000
Chemists, except biochemists	4,500	6,000	4,500	8,000	14,500	6,500
<30	8,500	8,000	D	D	D	9,000
30–39	11,500	15,000	D	19,000	D	2,000
40–49	2,000	9,500	D	11,000	D	9,500
50–59	5,000	5,000	D	17,000	D	15,000
60–75	21,500	24,000	D	20,500	D	15,500

TABLE A-15. Standard errors for median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, age, and primary/secondary work activity: 2008

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, administration	Computer applications	Other
Earth/atmospheric/ocean scientists	5,000	10,500	D	5,500	7,500	17,500
<30	12,000	2,500	D	9,500	15,000	15,000
30–39	7,000	7,000	D	17,500	4,000	8,500
40–49	12,000	9,000	D	9,000	20,000	10,500
50–59	10,500	12,000	D	6,500	D	20,000
60–75	15,500	27,000	D	10,500	D	D
Physicists/astronomers	21,500	5,000	D	27,000	2,500	17,000
<30	1,000	1,500	D	D	3,500	D
30–39	14,500	6,000	D	S	2,000	D
40–49	14,500	15,500	D	D	D	D
50–59	18,500	D	D	D	D	D
60–75	D	D	D	D	D	D
Postsecondary teachers-physical/related sciences	7,500	4,500	9,000	5,000	9,500	4,000
<30	1,000	1,000	1,000	9,500	D	D
30–39	7,000	4,500	S	12,000	D	D
40–49	8,000	16,000	11,500	D	D	D
50–59	S	D	S	D	D	D
60–75	D	D	D	D	D	D
Other physical/related scientists	7,000	20,000	D	11,000	D	23,000
<30	D	14,000	D	D	D	D
30–39	17,000	5,000	D	10,500	D	D
40–49	21,500	6,500	D	22,000	D	21,500
50–59	7,500	26,500	D	2,500	D	D
60–75	D	D	D	D	D	D
Social/related scientists	2,500	5,000	2,500	3,500	8,000	2,500
<30	2,500	1,000	4,000	2,000	S	1,500
30–39	2,500	3,500	1,500	8,000	23,500	2,000
40–49	3,500	10,000	7,500	11,000	D	2,500
50–59	6,500	2,500	9,500	9,000	D	6,500
60–75	5,000	9,500	3,500	7,000	D	8,500
Economists	15,500	14,000	D	23,500	2,000	8,000
<30	16,000	4,500	D	8,500	12,000	11,000
30–39	22,500	35,000	D	19,500	30,000	D
40–49	14,500	17,500	D	47,500	D	13,000
50–59	S	D	D	35,500	D	D
60–75	S	D	D	13,500	D	40,000
Political/related scientists	11,500	15,500	D	13,000	D	19,500
<30	1,500	17,500	D	S	D	D
30–39	15,000	D	D	26,000	D	D
40–49	D	D	D	D	D	D
50–59	D	D	D	D	D	D
60–75	D	D	D	D	D	D
Postsecondary teachers-social/related sciences	7,000	12,000	7,000	15,500	D	9,000
<30	2,000	500	1,500	500	D	D
30–39	500	1,500	500	S	D	S
40–49	9,000	12,500	12,500	2,500	D	D
50–59	5,500	5,500	6,000	5,000	D	D
60–75	13,000	S	12,000	S	D	D

TABLE A-15. Standard errors for median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, age, and primary/secondary work activity: 2008

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, administration	Computer applications	Other
Psychologists	2,000	5,500	7,000	1,500	D	1,500
<30	2,000	7,000	3,500	6,000	D	3,000
30–39	1,500	8,500	9,500	2,500	D	3,000
40–49	8,500	D	8,500	9,000	D	7,000
50–59	4,000	2,500	5,000	4,500	D	1,000
60–75	6,500	20,500	8,000	7,000	D	7,000
Sociologists/anthropologists	9,000	16,000	D	19,000	D	D
<30	500	500	D	500	D	D
30–39	15,500	D	D	D	D	D
40–49	4,500	D	D	D	D	D
50–59	5,000	7,500	D	4,500	D	D
60–75	S	S	D	D	D	D
Other social/related scientists	6,500	13,000	D	3,000	19,500	13,500
<30	7,000	5,000	D	2,000	D	15,500
30–39	7,500	11,000	D	5,500	D	5,500
40–49	2,500	D	D	3,000	D	7,500
50–59	18,000	22,500	D	15,000	D	D
60–75	35,500	D	D	47,500	D	D
Engineering occupations	2,000	2,000	8,500	1,500	1,500	2,500
<30	500	500	2,500	1,500	500	2,000
30–39	2,000	2,000	7,000	3,000	2,000	3,500
40–49	3,500	2,000	3,500	3,000	3,500	3,500
50–59	2,000	3,000	9,000	3,500	3,500	2,000
60–75	4,500	6,000	19,000	6,000	34,000	11,000
Aerospace/aeronautical/astronautical engineers	4,500	2,000	S	7,500	5,000	12,500
<30	3,000	500	9,000	500	1,500	1,000
30–39	2,000	1,500	D	6,500	4,500	7,500
40–49	6,500	3,000	D	8,500	D	D
50–59	9,500	6,000	D	6,500	15,500	5,000
60–75	9,500	24,000	D	12,500	D	28,000
Chemical engineers	5,000	5,500	D	4,000	5,000	6,000
<30	3,000	3,000	D	1,500	D	17,000
30–39	9,500	5,000	D	17,000	D	7,500
40–49	10,000	9,000	D	13,500	D	8,000
50–59	7,000	16,000	D	13,500	D	D
60–75	13,500	24,500	D	17,500	D	D
Civil/architectural/sanitary engineers	2,500	3,000	D	1,500	4,000	7,500
<30	1,000	4,000	D	500	2,000	3,500
30–39	2,500	3,500	D	5,500	11,500	3,500
40–49	4,500	6,000	D	4,500	7,000	12,000
50–59	3,500	9,000	D	6,500	D	9,500
60–75	6,000	13,500	D	6,500	D	S
Electrical/computer hardware engineers	1,000	500	6,000	3,000	3,000	4,000
<30	1,500	3,500	D	3,000	1,500	2,500
30–39	1,000	1,000	D	6,000	4,000	11,000
40–49	2,000	4,000	D	4,000	5,000	3,000
50–59	3,000	4,000	D	4,500	4,000	9,000
60–75	6,000	5,000	D	10,500	13,000	28,500

TABLE A-15. Standard errors for median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, age, and primary/secondary work activity: 2008

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, administration	Computer applications	Other
Industrial engineers	3,000	3,500	D	3,000	3,500	4,000
<30	12,000	500	D	2,500	2,500	1,000
30–39	2,500	4,000	D	1,500	D	3,500
40–49	1,500	4,000	D	6,000	D	15,500
50–59	12,000	4,000	D	16,500	14,000	D
60–75	D	D	D	D	D	D
Mechanical engineers	2,500	3,500	7,500	5,500	11,000	3,500
<30	1,500	1,500	D	1,500	2,500	3,000
30–39	3,000	2,000	D	3,500	20,500	2,500
40–49	2,500	3,000	D	4,500	12,000	D
50–59	4,000	1,500	D	7,500	7,000	7,500
60–75	17,000	12,000	D	S	D	17,000
Postsecondary teachers-engineering	3,500	6,000	3,500	7,000	D	D
<30	3,000	1,500	3,000	D	D	D
30–39	S	3,000	S	D	D	D
40–49	2,000	3,500	2,000	D	D	D
50–59	18,000	D	18,000	D	D	D
60–75	15,000	D	15,000	D	D	D
Other engineers	3,500	3,500	500	4,500	13,000	8,000
<30	1,500	1,500	D	10,500	S	30,000
30–39	1,500	1,500	D	5,000	10,500	2,000
40–49	3,000	6,500	D	5,500	3,500	5,500
50–59	3,500	5,000	D	10,500	24,000	5,500
60–75	16,000	18,000	D	18,000	D	27,500
S&E-related occupations	2,000	2,500	1,500	1,500	2,500	1,500
<30	3,000	3,000	5,500	1,500	5,000	3,500
30–39	1,000	2,000	1,000	3,000	9,000	4,000
40–49	2,500	6,500	1,000	4,000	4,000	1,500
50–59	2,500	5,500	1,500	3,500	4,000	2,500
60–75	4,500	14,000	6,500	2,500	11,500	6,500
Health occupations	2,000	3,500	1,500	500	1,000	3,000
<30	2,000	3,000	1,500	1,500	3,000	4,500
30–39	2,500	9,000	2,500	5,000	500	4,500
40–49	1,500	7,500	6,500	3,500	12,000	4,000
50–59	3,500	10,500	3,000	2,500	D	4,500
60–75	7,500	14,000	6,000	13,500	D	7,000
S&E managers, including health	4,000	5,500	32,500	3,500	6,500	5,500
<30	19,000	4,500	D	4,500	D	D
30–39	5,500	4,000	D	5,500	9,000	2,000
40–49	4,500	6,500	D	4,000	9,500	11,500
50–59	3,500	9,500	D	3,500	D	17,500
60–75	3,500	3,500	D	4,500	4,500	D
S&E precollege teachers	3,000	3,000	2,000	2,000	12,500	9,500
<30	1,500	4,000	1,500	2,000	D	500
30–39	500	2,500	500	3,000	500	1,000
40–49	2,000	4,000	2,000	3,000	22,500	6,500
50–59	2,000	8,500	2,000	3,500	5,000	12,000
60–75	7,500	22,000	10,000	11,000	D	D

TABLE A-15. Standard errors for median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, age, and primary/secondary work activity: 2008

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, administration	Computer applications	Other
S&E technicians/technologists	4,500	4,000	13,000	5,000	3,000	1,500
<30	9,000	6,000	D	S	3,500	5,000
30–39	7,000	7,000	D	11,000	6,000	1,000
40–49	4,500	9,500	D	6,500	4,500	29,500
50–59	11,500	15,500	D	13,500	7,500	5,000
60–75	11,000	9,000	D	15,500	11,500	23,000
Other S&E-related occupations	4,500	5,500	D	4,500	9,500	7,000
<30	3,500	13,500	D	3,000	D	D
30–39	5,000	5,500	D	7,500	D	9,500
40–49	5,500	8,500	D	4,000	D	15,000
50–59	6,500	7,000	D	5,000	D	7,000
60–75	23,000	32,000	D	S	D	S
Non-S&E occupations	1,500	2,000	500	2,000	5,000	2,000
<30	2,000	500	1,500	1,500	2,500	4,500
30–39	1,000	3,500	2,000	2,500	10,000	1,500
40–49	4,000	4,000	3,000	4,000	6,500	1,500
50–59	3,000	3,500	2,500	2,500	4,500	3,000
60–75	2,000	4,500	7,500	3,500	15,000	4,500
Arts/humanities/related occupations	2,000	9,000	9,500	3,000	S	3,500
<30	2,000	2,000	D	3,500	D	1,500
30–39	15,500	5,500	D	3,000	D	S
40–49	4,500	7,000	6,500	7,500	D	6,000
50–59	6,000	12,500	D	5,000	D	14,000
60–75	7,000	S	D	6,000	D	S
Management-related occupations	1,500	4,000	15,000	2,500	7,500	4,500
<30	1,000	7,000	500	1,000	2,500	23,500
30–39	4,500	2,500	D	4,000	10,000	11,000
40–49	3,500	7,000	26,000	3,000	8,500	12,000
50–59	6,000	4,000	7,500	5,500	14,500	14,000
60–75	5,000	S	D	6,000	D	7,500
Non-S&E managers	3,000	6,500	5,500	3,000	12,500	4,500
<30	3,500	18,500	7,500	8,000	D	3,000
30–39	5,000	5,500	21,500	5,000	10,500	7,500
40–49	5,500	10,500	D	5,500	25,000	10,000
50–59	4,000	19,000	4,500	4,000	20,500	15,000
60–75	5,500	22,000	D	5,500	D	9,500
Non-S&E postsecondary teachers	6,500	8,500	5,500	7,500	4,500	12,500
<30	6,000	1,000	9,000	5,500	D	D
30–39	11,000	6,500	12,500	6,500	D	2,000
40–49	14,000	19,500	17,000	15,500	D	D
50–59	8,000	S	9,000	10,000	D	S
60–75	8,000	S	8,500	S	D	S
Non-S&E precollege/other teachers	1,000	1,000	1,000	3,000	2,500	1,500
<30	2,000	4,000	1,500	2,000	D	2,500
30–39	2,000	1,000	2,000	2,000	D	6,000
40–49	1,500	3,500	1,500	4,000	D	3,000
50–59	2,000	4,000	2,500	3,000	6,500	5,000
60–75	9,500	12,000	10,000	S	D	D

TABLE A-15. Standard errors for median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, age, and primary/secondary work activity: 2008

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, administration	Computer applications	Other
Sales/marketing occupations	5,000	9,500	34,000	5,000	12,000	18,000
<30	7,500	18,500	D	8,000	D	13,500
30–39	7,500	10,500	27,500	10,000	7,500	15,500
40–49	7,000	7,500	D	7,000	17,500	16,500
50–59	7,000	10,000	S	6,000	3,500	18,500
60–75	7,500	S	D	8,000	D	19,500
Social services/related occupations	1,500	1,500	1,000	2,000	7,000	1,000
<30	1,000	6,500	13,000	8,500	D	1,000
30–39	2,000	9,000	3,000	2,500	4,000	2,000
40–49	2,500	3,500	4,000	5,500	D	2,000
50–59	1,000	7,000	5,000	2,500	7,500	1,500
60–75	3,500	2,500	18,000	6,500	D	3,500
Other non-S&E occupations	2,000	1,500	4,000	1,500	4,000	2,500
<30	5,000	2,500	3,500	4,000	6,000	2,500
30–39	5,500	7,000	3,500	8,000	3,000	6,500
40–49	4,500	7,000	10,500	7,000	7,500	9,000
50–59	5,500	9,000	16,500	4,000	15,500	5,500
60–75	3,500	6,500	4,500	8,000	S	4,000
Doctoral degrees, all occupations	1,500	1,500	500	500	2,000	500
<30	5,500	6,500	5,000	3,500	7,000	7,000
30–39	2,500	2,000	2,000	4,000	5,500	5,000
40–49	2,500	2,500	2,500	3,500	2,500	4,000
50–59	500	2,500	3,000	4,000	3,000	5,000
60–75	2,500	500	2,000	500	4,500	3,500
S&E occupations	1,000	500	1,500	500	4,000	500
<30	500	500	3,500	3,500	7,500	3,500
30–39	1,000	1,000	2,000	3,000	4,000	2,000
40–49	500	2,000	2,000	2,000	2,500	3,000
50–59	2,000	2,000	2,500	2,500	5,500	3,500
60–75	2,500	1,000	2,000	1,000	3,000	1,000
Science occupations	2,000	500	500	1,000	1,000	2,500
<30	4,000	4,000	1,500	8,500	10,000	30,500
30–39	2,000	2,000	500	4,000	2,500	6,000
40–49	500	500	500	1,000	1,500	1,500
50–59	2,500	500	1,500	2,500	4,000	2,000
60–75	1,500	500	2,500	4,000	6,500	1,500
Biological/agricultural/other life scientists	2,000	500	1,500	1,000	4,000	3,000
<30	1,000	1,000	D	S	D	2,500
30–39	4,000	4,500	4,000	5,500	3,000	4,000
40–49	500	3,000	2,000	2,000	7,000	6,500
50–59	2,000	4,000	1,000	4,500	11,500	5,000
60–75	4,000	500	5,000	3,500	22,000	6,000
Agricultural/food scientists	2,000	3,500	9,500	4,500	9,000	7,500
<30	3,000	3,000	D	D	D	D
30–39	3,500	3,500	D	6,000	D	D
40–49	1,500	2,000	D	3,000	D	15,000
50–59	1,500	1,500	D	1,500	D	8,000
60–75	12,000	7,500	D	27,500	D	35,000

TABLE A-15. Standard errors for median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, age, and primary/secondary work activity: 2008

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, administration	Computer applications	Other
Biological/medical scientists	4,000	2,000	10,500	2,500	6,000	4,000
<30	500	500	D	4,500	D	2,500
30–39	5,000	2,500	9,000	8,000	2,500	5,500
40–49	3,000	3,500	10,500	3,500	7,500	7,000
50–59	2,500	3,500	11,000	5,500	7,500	2,500
60–75	2,500	5,000	25,000	11,500	S	5,000
Environmental life scientists	3,500	3,000	D	8,000	D	17,000
<30	D	D	D	D	D	D
30–39	10,500	16,500	D	19,500	D	D
40–49	7,500	10,000	D	22,000	D	D
50–59	9,000	9,000	D	14,500	D	D
60–75	29,500	29,500	D	D	D	D
Postsecondary teachers-life/related sciences	500	2,000	500	2,500	1,000	3,000
<30	D	D	D	D	D	D
30–39	3,500	4,000	4,500	2,500	D	4,500
40–49	1,500	3,500	2,500	9,000	D	2,500
50–59	4,000	3,000	4,000	8,000	D	2,500
60–75	5,500	6,000	5,500	6,500	D	13,500
Computer/mathematical scientists	2,000	3,000	2,000	1,500	500	3,000
<30	1,500	1,000	5,000	D	6,500	D
30–39	3,500	2,500	4,000	4,000	6,000	4,500
40–49	3,500	4,500	5,500	6,000	2,500	5,500
50–59	1,500	4,500	4,000	7,500	4,500	11,000
60–75	3,500	4,500	2,500	1,500	4,000	9,000
Computer/information scientists	2,500	4,500	32,000	6,500	5,500	1,500
<30	8,500	8,000	D	D	3,000	D
30–39	4,000	4,000	D	9,000	2,000	1,000
40–49	4,000	6,500	40,000	7,000	2,500	23,500
50–59	7,500	8,000	D	7,000	8,500	16,500
60–75	12,000	17,500	29,000	20,000	5,000	14,500
Mathematical scientists	1,500	1,000	36,500	9,500	3,500	1,500
<30	9,000	9,000	D	D	8,000	D
30–39	4,000	2,500	D	7,000	2,000	8,500
40–49	5,500	6,500	D	21,000	6,000	17,500
50–59	3,500	11,000	49,000	7,500	6,000	5,500
60–75	2,000	7,500	D	1,500	9,500	500
Postsecondary teachers-computer/mathematical sciences	2,500	2,500	2,500	3,500	D	4,000
<30	5,000	6,000	5,000	D	D	D
30–39	4,500	2,500	4,000	6,500	D	11,500
40–49	5,500	4,500	5,500	1,000	15,000	7,500
50–59	3,500	6,000	3,500	13,000	7,500	7,000
60–75	4,000	5,500	3,000	5,500	5,000	28,500
Physical/related scientists	2,000	2,500	3,500	500	6,500	3,500
<30	2,000	2,000	3,500	14,000	3,500	D
30–39	2,000	1,500	1,500	4,500	4,000	1,000
40–49	2,500	500	2,500	4,500	7,500	7,000
50–59	2,000	3,500	3,000	4,500	5,500	8,500
60–75	5,000	1,500	3,000	6,500	16,000	5,000

TABLE A-15. Standard errors for median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, age, and primary/secondary work activity: 2008

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, administration	Computer applications	Other
Chemists, except biochemists	500	500	11,500	3,000	14,000	4,500
<30	18,500	20,000	D	7,000	D	D
30–39	3,000	2,000	D	3,500	15,000	18,000
40–49	3,500	2,500	D	3,000	D	4,500
50–59	5,500	5,000	28,000	8,500	12,000	14,500
60–75	7,500	5,000	20,000	10,000	D	25,500
Earth/atmospheric/ocean scientists	2,000	2,000	3,500	9,000	6,000	11,500
<30	3,000	3,000	D	D	D	D
30–39	2,000	2,000	D	5,500	10,000	8,500
40–49	4,500	4,500	D	13,500	13,000	5,500
50–59	10,500	3,000	26,000	15,500	13,000	D
60–75	10,000	11,500	D	8,000	13,500	26,500
Physicists/astronomers	2,500	3,500	D	5,000	24,000	5,500
<30	2,500	2,500	D	D	D	D
30–39	4,000	4,000	D	11,000	5,000	6,000
40–49	4,500	5,000	D	8,500	8,500	D
50–59	3,500	7,500	D	7,500	15,000	21,000
60–75	12,500	12,000	D	13,000	15,500	14,500
Postsecondary teachers-physical/related sciences	3,000	3,000	2,500	1,500	9,000	3,500
<30	3,500	D	3,500	D	D	D
30–39	1,500	2,000	2,000	2,500	D	3,000
40–49	3,000	2,500	2,500	3,000	D	7,000
50–59	3,000	2,500	3,000	8,500	D	5,500
60–75	3,000	12,500	3,500	5,000	D	8,000
Other physical/related scientists	3,000	1,500	20,000	9,500	13,000	4,000
<30	9,500	9,500	D	D	D	D
30–39	8,500	8,000	D	3,500	D	8,000
40–49	6,500	7,500	D	9,000	D	D
50–59	12,000	11,000	D	18,000	D	26,000
60–75	S	D	D	D	D	19,000
Social/related scientists	2,000	1,500	1,000	2,500	7,000	1,000
<30	3,500	3,000	4,000	D	D	17,500
30–39	2,000	1,500	2,000	2,500	6,000	8,000
40–49	2,500	2,000	2,500	2,000	15,000	2,000
50–59	2,500	2,500	2,500	1,500	7,000	3,500
60–75	1,000	3,000	3,000	3,500	21,000	4,000
Economists	5,000	6,500	18,500	5,500	6,000	8,500
<30	7,000	D	D	D	D	D
30–39	8,000	7,000	D	4,000	23,500	8,500
40–49	8,500	11,000	D	8,000	14,500	13,000
50–59	4,000	5,500	D	17,000	D	22,500
60–75	11,500	23,500	D	31,000	12,500	S
Political/related scientists	8,500	9,500	S	13,000	D	18,500
<30	D	D	D	D	D	D
30–39	12,500	8,500	D	13,500	D	D
40–49	4,500	4,000	D	7,000	D	D
50–59	58,500	53,500	D	D	D	D
60–75	47,000	47,000	D	D	D	D

TABLE A-15. Standard errors for median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, age, and primary/secondary work activity: 2008

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, administration	Computer applications	Other
Postsecondary teachers-social/related sciences	500	1,500	2,000	3,000	7,500	2,000
<30	4,000	3,000	4,000	D	D	D
30–39	2,000	500	2,000	3,500	D	2,000
40–49	2,500	2,500	2,500	3,500	D	3,500
50–59	4,000	1,500	2,500	8,000	D	2,000
60–75	4,000	4,500	3,500	7,500	D	2,500
Psychologists	1,000	3,500	8,500	3,000	1,500	2,500
<30	30,500	S	D	D	D	33,000
30–39	8,000	8,000	S	2,500	6,500	6,500
40–49	2,000	4,500	13,000	3,500	D	3,000
50–59	2,500	4,500	8,000	3,000	10,500	4,000
60–75	3,500	5,000	6,500	5,000	D	5,500
Sociologists/anthropologists	7,500	8,500	11,000	11,500	4,000	33,000
<30	D	D	D	D	D	D
30–39	2,500	3,000	D	19,500	D	D
40–49	11,000	10,000	D	19,500	D	D
50–59	7,000	10,000	D	10,500	D	56,000
60–75	31,000	34,500	D	30,500	D	3,000
Other social/related scientists	3,000	3,500	7,500	6,500	500	10,500
<30	D	D	D	D	D	D
30–39	8,500	11,000	D	6,500	D	7,500
40–49	5,500	5,500	D	6,000	6,000	22,500
50–59	8,500	10,500	D	3,500	D	11,000
60–75	6,000	9,500	D	23,000	D	12,500
Engineering occupations	1,500	1,500	3,000	3,000	500	500
<30	3,000	3,000	2,500	18,500	5,500	11,000
30–39	2,500	3,000	2,000	500	5,500	5,000
40–49	1,000	2,000	2,500	3,000	4,000	6,500
50–59	2,500	500	1,500	2,000	4,000	6,000
60–75	6,500	4,000	5,000	10,000	12,000	19,500
Aerospace/aeronautical/astronautical engineers	6,500	7,000	D	2,500	8,000	17,000
<30	6,500	6,500	D	D	D	D
30–39	4,500	5,500	D	12,500	5,000	D
40–49	7,000	4,500	D	D	9,000	D
50–59	500	1,000	D	9,000	2,500	D
60–75	19,500	D	D	18,000	15,000	D
Chemical engineers	3,000	3,000	D	3,500	6,500	2,000
<30	2,500	2,500	D	D	D	D
30–39	4,000	4,000	D	9,500	D	7,500
40–49	4,500	4,500	D	2,000	8,500	1,000
50–59	9,000	8,000	D	9,500	D	9,000
60–75	12,500	16,000	D	26,000	D	D
Civil/architectural/sanitary engineers	6,000	7,000	D	3,500	14,500	2,000
<30	500	500	D	D	D	D
30–39	2,000	1,500	D	8,000	D	8,000
40–49	9,000	13,000	D	4,000	D	26,500
50–59	11,000	6,500	D	20,000	D	4,500
60–75	6,000	3,500	D	13,500	D	17,500

TABLE A-15. Standard errors for median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, age, and primary/secondary work activity: 2008

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, administration	Computer applications	Other
Electrical/computer hardware engineers	3,500	3,000	D	3,000	8,000	6,000
<30	1,000	1,000	D	D	2,500	D
30–39	4,000	4,000	D	6,000	4,500	5,500
40–49	3,500	3,500	D	8,000	6,000	19,000
50–59	6,500	7,500	D	13,000	8,000	10,500
60–75	12,500	12,000	D	D	15,000	D
Industrial engineers	14,500	9,500	D	36,000	D	D
<30	D	D	D	D	D	D
30–39	14,000	14,000	D	D	D	D
40–49	12,500	D	D	D	D	D
50–59	43,500	40,000	D	8,000	D	D
60–75	36,000	31,500	D	D	D	D
Mechanical engineers	500	500	D	5,500	6,500	23,000
<30	4,500	7,500	D	D	D	D
30–39	2,500	2,500	D	8,500	5,500	D
40–49	4,500	5,000	D	8,000	6,000	14,000
50–59	2,000	2,000	D	14,000	4,000	D
60–75	7,500	7,500	D	S	D	27,000
Postsecondary teachers-engineering	3,000	4,500	3,000	4,500	10,500	7,000
<30	2,500	2,500	2,500	D	D	D
30–39	2,000	1,000	2,000	4,500	D	D
40–49	3,000	5,000	2,500	9,000	D	5,500
50–59	500	1,000	1,000	3,500	D	5,000
60–75	8,000	8,000	7,000	9,500	22,500	21,500
Other engineers	500	500	D	4,500	10,500	4,000
<30	9,000	10,500	D	27,000	D	D
30–39	4,500	3,000	D	1,500	12,500	7,500
40–49	5,000	5,000	D	1,500	5,500	20,500
50–59	4,000	7,000	10,000	4,000	6,500	10,500
60–75	6,500	14,000	D	7,500	21,500	19,500
S&E-related occupations	2,500	3,500	2,500	6,000	3,500	12,000
<30	3,000	4,500	9,500	14,500	D	2,500
30–39	500	7,500	3,500	9,000	14,500	4,000
40–49	2,500	5,000	5,000	10,000	3,500	14,000
50–59	6,500	8,000	4,000	10,500	14,000	16,000
60–75	7,000	7,500	12,000	10,500	9,500	1,000
Health occupations	2,500	3,500	2,500	5,500	13,500	9,500
<30	2,500	5,000	18,000	D	D	2,500
30–39	2,500	1,500	8,000	19,500	D	3,000
40–49	6,500	5,500	5,500	10,500	D	16,000
50–59	9,500	7,500	4,000	24,000	11,500	15,000
60–75	2,000	1,000	5,000	7,000	D	1,000
S&E managers, including health	4,000	3,000	32,000	4,500	1,500	1,000
<30	D	D	D	D	D	D
30–39	4,000	4,500	D	4,000	27,000	18,500
40–49	2,000	3,000	D	2,500	12,500	5,500
50–59	8,000	5,000	D	8,000	D	4,000
60–75	7,500	9,000	D	6,500	2,000	35,500

TABLE A-15. Standard errors for median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, age, and primary/secondary work activity: 2008

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, administration	Computer applications	Other
S&E precollege teachers	8,500	1,500	8,500	5,000	9,000	500
<30	D	D	D	D	D	D
30–39	15,500	D	15,500	2,500	D	D
40–49	10,000	14,500	10,000	23,000	D	11,500
50–59	12,000	D	12,500	11,500	D	2,000
60–75	14,500	D	14,500	4,500	D	D
S&E technicians/technologists	7,500	11,000	D	13,000	10,500	D
<30	D	D	D	D	D	D
30–39	17,000	18,000	D	D	11,500	6,500
40–49	5,500	8,000	D	D	16,000	D
50–59	38,500	21,000	D	39,500	18,000	D
60–75	31,500	4,500	D	S	D	D
Other S&E-related occupations	12,000	19,500	D	9,500	24,000	14,500
<30	D	D	D	D	D	D
30–39	D	D	D	D	D	D
40–49	28,500	D	D	D	D	D
50–59	D	D	D	D	D	D
60–75	D	D	D	D	D	D
Non-S&E occupations	3,500	3,000	1,000	6,000	4,000	5,000
<30	13,000	1,000	4,500	2,500	D	3,000
30–39	5,500	9,000	6,000	7,500	21,500	10,000
40–49	4,000	5,500	5,500	6,500	7,000	16,500
50–59	3,000	8,000	5,000	9,000	S	15,000
60–75	7,500	8,500	9,500	9,000	10,500	15,000
Arts/humanities/related occupations	8,000	24,500	D	12,000	16,500	9,500
<30	D	D	D	D	D	D
30–39	19,500	3,000	15,000	9,000	D	D
40–49	11,500	15,000	D	17,500	D	22,500
50–59	22,000	27,500	D	28,000	D	16,000
60–75	S	S	D	S	D	8,000
Management-related occupations	4,500	21,500	6,500	6,000	19,000	14,000
<30	16,000	34,500	D	19,000	D	31,500
30–39	18,500	45,000	22,000	29,000	5,500	22,500
40–49	5,000	8,500	D	5,500	9,000	11,000
50–59	8,500	D	8,000	11,000	29,500	D
60–75	11,000	16,000	S	14,500	D	10,000
Non-S&E managers	6,500	8,000	37,000	7,000	37,500	7,500
<30	D	D	D	D	D	D
30–39	11,000	3,000	D	12,000	42,500	6,000
40–49	10,000	19,000	D	8,000	2,000	37,500
50–59	10,000	9,500	25,500	10,000	S	22,000
60–75	8,000	13,000	18,000	8,500	9,500	26,500
Non-S&E postsecondary teachers	2,000	4,500	2,000	5,000	D	8,000
<30	10,000	D	9,500	D	D	D
30–39	7,500	8,000	8,000	8,000	D	4,000
40–49	5,000	5,000	7,000	8,000	D	14,000
50–59	4,500	6,500	5,000	7,000	D	9,000
60–75	7,000	7,000	7,500	15,000	D	18,000

TABLE A-15. Standard errors for median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, age, and primary/secondary work activity: 2008

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, administration	Computer applications	Other
Non-S&E precollege/other teachers	9,500	15,000	10,000	20,500	D	S
<30	D	D	D	D	D	D
30–39	14,000	D	13,500	S	D	D
40–49	D	D	D	D	D	D
50–59	10,500	6,000	9,500	3,500	D	22,500
60–75	21,500	8,500	27,000	D	D	D
Sales/marketing occupations	10,000	10,500	1,500	10,000	500	50,500
<30	20,500	D	D	D	D	D
30–39	13,500	35,500	D	6,000	10,000	29,500
40–49	33,000	16,000	D	39,500	D	8,000
50–59	46,000	18,500	D	48,500	D	39,500
60–75	26,000	30,500	D	30,500	D	26,500
Social services/related occupations	11,000	24,000	12,500	5,000	D	7,000
<30	D	D	D	D	D	D
30–39	7,000	D	D	1,000	D	2,500
40–49	4,000	D	19,000	14,000	D	5,500
50–59	4,000	D	7,000	2,000	D	4,000
60–75	8,500	D	D	7,500	D	11,000
Other non-S&E occupations	5,500	10,000	22,000	16,000	1,000	18,000
<30	11,500	D	D	D	D	4,000
30–39	500	1,500	2,500	500	D	15,500
40–49	27,000	S	13,000	15,000	D	40,000
50–59	9,500	11,000	4,000	9,500	D	S
60–75	9,500	10,500	2,500	5,500	D	S

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. 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.

TABLE A-16. Standard error of median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, ethnicity, race, and years since highest degree: 2008

Level of highest degree, occupation, ethnicity, and race[a]	Employed scientists and engineers	Years since highest degree							
		<5 years	5–9 years	10–14 years	15–19 years	20–24 years	25–29 years	30–34 years	35+ years
All degree levels and occupations[b]	1,000	500	500	2,000	500	1,500	2,000	1,500	2,500
Hispanic or Latino	500	1,000	2,500	4,000	6,000	4,000	6,500	6,000	8,000
Not Hispanic or Latino									
American Indian or Alaska Native	4,500	1,500	5,500	11,000	6,000	11,500	15,500	14,500	S
Asian	500	500	3,000	3,000	3,500	3,500	4,500	3,000	3,000
Black or African American	500	5,000	2,500	2,500	4,000	2,500	3,000	3,500	4,500
White	500	500	500	1,500	2,000	500	2,000	2,000	2,500
Other	2,000	500	7,500	3,000	7,000	5,500	8,500	10,000	5,000
S&E occupations	500	3,500	1,000	2,000	2,000	2,000	1,500	2,000	3,000
Hispanic or Latino	1,000	3,500	3,500	2,500	4,500	5,000	8,500	9,000	9,000
Not Hispanic or Latino									
American Indian or Alaska Native	4,500	5,000	2,000	8,000	15,500	11,500	18,000	D	D
Asian	2,000	500	500	2,500	500	2,500	2,000	6,000	3,500
Black or African American	5,000	3,000	3,500	3,000	5,000	3,500	11,500	4,500	20,500
White	500	500	3,500	1,500	1,500	2,000	2,000	2,000	3,000
Other	1,500	2,000	5,000	4,000	13,000	7,000	22,000	9,000	23,500
Science occupations	500	500	2,000	1,500	1,500	2,000	2,000	1,000	4,500
Hispanic or Latino	1,500	2,000	5,500	4,000	10,000	11,000	6,000	11,000	7,500
Not Hispanic or Latino									
American Indian or Alaska Native	3,500	13,500	2,500	12,000	7,500	14,000	D	D	D
Asian	2,500	1,000	5,500	1,000	500	4,500	3,500	3,000	5,000
Black or African American	2,000	1,500	4,500	3,000	7,500	3,000	11,500	11,000	20,500
White	1,000	2,500	2,500	1,000	2,000	1,500	2,500	2,000	5,000
Other	3,000	4,000	5,500	7,500	10,000	7,500	22,000	9,000	20,000
Biological/agricultural/other life scientists	5,000	500	3,500	3,500	4,500	4,500	3,000	6,500	6,000
Hispanic or Latino	5,500	9,000	5,500	16,000	19,500	7,000	13,500	19,000	17,500
Not Hispanic or Latino									
American Indian or Alaska Native	12,000	D	4,500	D	D	D	D	D	D
Asian	1,500	3,500	7,000	7,000	2,500	22,000	9,500	6,500	14,000
Black or African American	9,000	5,000	8,000	6,500	D	7,000	S	D	17,000
White	1,000	1,000	500	4,500	5,000	5,500	4,500	8,500	7,000
Other	8,000	9,000	12,500	10,000	D	S	6,000	10,000	D
Agricultural/food scientists	4,000	2,500	8,000	14,500	18,000	9,000	15,000	27,000	15,500
Hispanic or Latino	10,000	S	23,500	D	11,500	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	6,000	5,000	20,500	11,000	D	D	8,500	D	D
Black or African American	25,000	2,500	18,000	11,000	D	D	D	D	D
White	4,000	4,000	5,000	11,500	15,500	8,500	18,500	S	13,500
Other	8,500	D	D	D	D	D	D	D	D
Biological/medical scientists	1,000	2,000	3,000	5,500	2,000	7,000	6,500	8,500	10,000
Hispanic or Latino	5,500	9,000	2,500	13,000	19,000	S	15,000	2,000	17,000
Not Hispanic or Latino									
American Indian or Alaska Native	500	D	4,500	D	D	D	D	D	D
Asian	6,000	2,500	5,000	8,500	2,500	22,500	13,500	5,000	14,000
Black or African American	11,000	5,000	3,500	14,500	D	22,500	S	D	D
White	6,000	500	2,500	4,000	2,500	8,000	10,000	13,000	19,000
Other	16,500	1,000	17,500	D	D	D	D	D	D
Environmental life scientists	3,000	7,000	3,000	7,000	D	6,500	9,000	10,000	19,500
Hispanic or Latino	2,500	D	1,500	D	D	D	D	D	D

TABLE A-16. Standard error of median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, ethnicity, race, and years since highest degree: 2008

Level of highest degree, occupation, ethnicity, and race[a]	Employed scientists and engineers	Years since highest degree							
		<5 years	5–9 years	10–14 years	15–19 years	20–24 years	25–29 years	30–34 years	35+ years
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	D	D	D	D	D	D	D	D	D
Black or African American	4,500	D	D	D	D	D	D	D	D
White	4,000	7,000	5,000	7,000	D	2,000	9,500	9,000	18,500
Other	1,000	D	D	D	D	D	D	D	D
Postsecondary teachers-life/related sciences	4,500	3,500	14,000	4,500	7,500	6,000	2,500	6,500	12,500
Hispanic or Latino	7,500	3,000	S	5,500	500	3,500	D	S	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	S	1,000	D	D	17,000	10,000	D	D	27,500
Black or African American	15,500	S	14,000	16,500	D	12,500	D	D	D
White	2,500	4,500	5,000	4,000	6,500	13,500	2,000	4,500	11,000
Other	5,000	S	D	D	D	D	6,000	D	D
Computer/mathematical scientists	500	1,500	3,000	2,000	2,000	2,500	3,000	3,000	2,500
Hispanic or Latino	2,500	2,000	1,500	4,500	12,000	7,000	9,000	11,500	6,500
Not Hispanic or Latino									
American Indian or Alaska Native	10,000	D	16,000	2,500	D	D	D	D	D
Asian	1,500	1,500	7,500	3,000	2,000	2,000	2,000	6,000	7,500
Black or African American	2,000	6,500	3,500	5,500	7,500	2,000	18,500	14,500	15,000
White	1,000	1,000	2,500	2,000	2,000	3,000	3,500	3,000	3,000
Other	6,500	11,000	18,000	11,000	17,500	5,000	26,500	27,000	24,500
Computer/information scientists	1,500	500	5,500	2,500	1,000	1,500	3,000	3,000	3,000
Hispanic or Latino	1,500	3,000	4,500	4,500	13,500	7,000	12,000	11,000	7,000
Not Hispanic or Latino									
American Indian or Alaska Native	4,000	D	D	1,000	D	D	D	D	D
Asian	1,500	2,000	2,000	3,000	2,000	2,000	2,500	12,000	7,000
Black or African American	3,000	5,500	6,000	6,000	7,000	2,500	22,500	11,000	14,000
White	3,000	1,500	3,500	2,500	2,500	1,500	3,500	3,000	3,000
Other	5,000	13,000	18,000	12,000	19,500	4,500	26,500	33,500	24,500
Mathematical scientists	6,500	1,000	3,000	13,000	7,000	9,500	4,500	14,000	33,000
Hispanic or Latino	16,000	15,500	2,000	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	4,500	3,500	9,000	17,000	4,000	8,000	18,500	4,000	21,000
Black or African American	6,500	12,000	2,500	10,500	15,500	D	D	D	D
White	4,000	15,000	9,000	20,500	7,500	12,000	6,500	13,000	S
Other	500	2,500	D	D	D	D	D	D	D
Postsecondary teachers-computer/ mathematical sciences	2,000	8,500	3,500	2,500	6,000	11,000	7,000	12,000	11,000
Hispanic or Latino	5,500	1,500	S	S	6,000	5,500	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	8,000	D	D	D	D	D	D	D	D
Asian	5,000	8,500	S	20,000	12,500	15,000	D	3,500	12,500
Black or African American	5,000	9,000	500	D	D	D	D	D	D
White	3,000	3,500	5,500	2,500	11,500	11,000	14,000	13,000	10,000
Other	4,000	D	D	D	D	D	D	D	D
Physical/related scientists	2,000	3,500	2,000	2,500	2,500	3,500	5,000	6,000	6,500
Hispanic or Latino	4,000	12,000	12,000	16,500	15,500	S	3,500	11,000	20,500

TABLE A-16. Standard error of median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, ethnicity, race, and years since highest degree: 2008

Level of highest degree, occupation, ethnicity, and race[a]	Employed scientists and engineers	Years since highest degree							
		<5 years	5–9 years	10–14 years	15–19 years	20–24 years	25–29 years	30–34 years	35+ years
Not Hispanic or Latino									
American Indian or Alaska Native	8,500	S	27,500	D	D	D	D	D	D
Asian	2,000	9,000	1,000	16,000	8,000	2,500	14,500	10,500	5,000
Black or African American	6,000	10,500	18,000	6,000	D	D	11,000	25,500	18,000
White	1,500	500	3,000	3,500	4,500	4,500	6,000	6,000	12,000
Other	5,000	8,000	1,500	D	D	D	S	14,000	D
Chemists, except biochemists	2,000	1,000	4,500	7,000	2,500	6,000	8,500	8,500	5,500
Hispanic or Latino	13,500	12,000	8,500	7,500	D	D	10,500	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	3,500	9,000	2,500	16,000	9,000	10,000	S	9,500	5,500
Black or African American	9,500	6,500	24,500	5,500	D	D	D	16,500	D
White	2,500	2,000	5,000	7,500	4,500	8,500	14,000	11,000	12,500
Other	9,500	S	7,000	D	D	D	D	D	D
Earth/atmospheric/ocean scientists	3,000	2,000	6,000	8,000	6,000	7,500	6,500	7,500	28,500
Hispanic or Latino	19,000	20,000	D	10,000	23,000	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	10,000	D	D	D	D	D	D	D	D
Asian	14,500	14,500	13,000	12,000	D	500	D	D	D
Black or African American	6,000	16,500	D	D	D	D	D	D	D
White	4,000	2,000	5,500	8,500	8,000	6,500	5,500	10,500	27,500
Other	6,500	11,000	1,500	D	D	D	D	D	D
Physicists/astronomers	3,000	11,000	10,000	5,500	6,500	8,000	4,000	26,000	14,000
Hispanic or Latino	11,000	12,000	13,000	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	11,000	8,500	15,000	D	15,500	4,500	2,500	D	D
Black or African American	S	1,000	D	D	D	D	D	D	D
White	5,500	3,000	4,000	6,000	6,500	7,000	11,500	27,500	6,000
Other	10,500	5,500	D	D	D	D	D	D	D
Postsecondary teachers-physical/ related sciences	3,500	1,500	3,000	5,000	6,500	5,000	9,000	4,500	14,500
Hispanic or Latino	2,500	8,500	8,500	5,500	7,000	8,000	28,000	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	10,000	3,000	5,000	D	18,500	15,000	17,000	13,000	11,500
Black or African American	5,500	11,500	2,000	3,000	D	D	D	20,000	D
White	3,000	1,000	5,500	7,000	6,000	5,000	10,500	2,500	24,500
Other	S	S	D	D	11,000	D	D	D	D
Other physical/related scientists	3,000	3,500	2,500	4,000	14,500	20,000	13,000	7,500	32,000
Hispanic or Latino	16,000	13,500	8,000	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	11,000	S	D	D	D	D	D	D	D
Black or African American	31,000	D	9,000	D	D	D	D	D	D
White	4,000	5,000	2,500	3,000	12,500	23,500	10,500	8,500	28,500
Other	3,000	D	D	D	D	D	D	D	D
Social/related scientists	500	2,500	1,500	3,000	5,500	7,500	4,000	8,000	4,000
Hispanic or Latino	8,000	10,500	2,500	24,500	4,500	3,500	22,500	S	8,500

TABLE A-16. Standard error of median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, ethnicity, race, and years since highest degree: 2008

Level of highest degree, occupation, ethnicity, and race[a]	Employed scientists and engineers	Years since highest degree							
		<5 years	5–9 years	10–14 years	15–19 years	20–24 years	25–29 years	30–34 years	35+ years
Not Hispanic or Latino									
American Indian or Alaska Native	30,000	D	D	D	1,000	D	D	D	D
Asian	4,500	8,000	14,000	2,000	20,000	15,000	D	5,500	S
Black or African American	4,000	9,000	8,000	4,500	3,000	18,000	2,000	D	2,500
White	6,000	500	3,500	4,000	6,000	5,500	3,000	8,000	4,500
Other	11,500	7,000	6,500	12,000	S	14,500	D	7,000	D
Economists	9,000	2,000	20,000	19,000	9,500	17,000	24,500	31,500	4,500
Hispanic or Latino	10,000	500	21,500	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	11,500	S	6,000	28,500	38,500	D	D	D	D
Black or African American	9,000	3,000	15,500	D	D	D	D	D	D
White	7,500	6,000	11,500	21,500	8,500	18,000	27,000	36,000	5,000
Other	7,000	D	D	D	D	D	D	D	D
Political/related scientists	17,500	14,000	35,500	15,000	D	D	17,500	7,500	5,000
Hispanic or Latino	3,500	1,500	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	500	D	D	D	D	D	D	D	D
Black or African American	9,500	18,500	D	D	D	D	D	D	D
White	17,000	3,500	31,000	17,000	D	D	15,500	7,500	6,000
Other	22,000	D	D	D	D	D	D	D	D
Postsecondary teachers-social/ related sciences	2,500	2,000	5,000	3,500	3,500	5,500	12,500	5,000	12,500
Hispanic or Latino	5,500	S	4,000	5,500	11,500	3,000	D	1,500	D
Not Hispanic or Latino									
American Indian or Alaska Native	3,000	D	D	13,000	D	D	D	D	D
Asian	9,500	2,000	5,500	4,500	48,000	D	D	12,000	D
Black or African American	3,500	5,500	7,000	1,500	5,500	10,500	14,500	D	D
White	2,000	2,500	11,000	4,000	3,000	5,500	7,500	8,500	12,000
Other	D	S	6,000	D	D	D	D	7,000	D
Psychologists	2,000	3,500	2,500	3,500	4,500	4,500	5,000	3,500	11,000
Hispanic or Latino	3,000	6,500	5,000	11,000	7,500	12,000	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	2,500	D	1,000	D	D	D	D	D	D
Asian	8,000	21,000	S	4,000	D	9,000	D	D	D
Black or African American	4,500	S	1,500	20,000	14,000	6,500	13,500	24,000	D
White	2,000	4,000	2,500	4,000	4,000	5,000	5,500	3,000	12,500
Other	8,000	S	D	9,500	D	D	3,500	D	D
Sociologists/anthropologists	3,000	5,000	12,000	23,000	26,000	7,500	19,000	13,500	D
Hispanic or Latino	S	S	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	12,000	16,000	D	D	D	D	D	D	D
Black or African American	4,000	S	D	D	D	D	D	D	D
White	9,000	S	S	S	26,500	9,000	20,500	16,500	D
Other	2,000	1,000	D	D	D	D	D	D	D
Other social/related scientists	4,500	5,000	10,000	4,000	19,500	28,000	12,000	S	33,500
Hispanic or Latino	5,500	7,000	1,500	S	D	D	D	D	D

TABLE A-16. Standard error of median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, ethnicity, race, and years since highest degree: 2008

Level of highest degree, occupation, ethnicity, and race[a]	Employed scientists and engineers	Years since highest degree							
		<5 years	5–9 years	10–14 years	15–19 years	20–24 years	25–29 years	30–34 years	35+ years
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	11,500	2,000	21,500	S	15,500	D	D	6,500	D
Black or African American	6,500	2,500	500	D	D	D	D	D	D
White	6,000	1,000	8,000	3,000	21,000	40,000	4,500	31,000	33,000
Other	28,500	2,500	D	D	D	D	D	D	D
Engineering occupations	1,000	500	500	1,500	1,500	1,500	500	2,500	3,500
Hispanic or Latino	3,000	500	5,000	3,000	7,000	6,500	18,500	11,000	12,000
Not Hispanic or Latino									
American Indian or Alaska Native	9,500	4,500	23,500	D	43,000	D	D	D	D
Asian	1,000	500	3,500	4,500	5,000	1,000	3,000	8,000	5,000
Black or African American	3,500	4,000	6,500	3,000	5,000	21,500	8,500	3,500	D
White	1,000	1,500	500	2,000	2,000	2,000	500	3,000	4,000
Other	3,500	4,500	9,000	5,500	8,500	11,500	9,000	17,500	S
Aerospace/aeronautical/astronautical engineers	2,500	1,500	3,500	3,000	8,000	4,000	7,000	5,000	11,000
Hispanic or Latino	15,000	500	8,500	D	D	11,000	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	4,000	1,000	7,000	2,500	7,000	5,500	D	6,000	17,000
Black or African American	22,500	1,000	D	D	D	D	D	D	D
White	4,000	4,000	4,500	6,500	8,500	5,000	9,000	11,500	10,500
Other	9,000	16,500	6,000	D	D	D	D	D	D
Chemical engineers	2,500	3,500	1,500	3,000	5,000	5,500	4,500	9,500	8,000
Hispanic or Latino	10,000	1,000	7,500	D	S	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	4,000	1,500	3,000	3,500	9,500	27,500	10,000	25,500	19,500
Black or African American	6,000	D	D	D	D	D	D	D	D
White	2,500	4,000	1,000	2,000	7,500	7,000	2,500	8,500	12,000
Other	11,000	4,000	D	D	D	D	D	D	D
Civil/architectural/sanitary engineers	1,000	1,500	500	1,000	2,000	3,000	4,000	4,500	6,500
Hispanic or Latino	5,500	2,000	1,000	5,500	11,500	D	25,500	S	8,000
Not Hispanic or Latino									
American Indian or Alaska Native	2,500	D	D	D	D	D	D	D	D
Asian	1,500	1,500	6,000	5,000	13,000	15,000	3,500	3,500	5,000
Black or African American	4,000	5,000	7,500	8,000	10,000	10,000	D	D	D
White	500	500	500	500	2,500	3,500	3,500	6,000	7,000
Other	9,000	4,000	5,000	13,000	D	D	D	D	D
Electrical/computer hardware engineers	1,500	500	4,000	2,000	2,000	3,000	2,500	4,500	7,000
Hispanic or Latino	4,000	1,500	10,000	3,500	6,000	25,000	7,000	11,500	D
Not Hispanic or Latino									
American Indian or Alaska Native	10,000	D	D	D	D	D	D	D	D
Asian	3,000	14,500	8,000	5,000	2,000	4,500	6,000	19,500	11,000
Black or African American	5,000	1,500	1,000	6,500	D	21,500	11,000	2,000	D
White	1,500	1,000	3,500	2,000	2,500	3,000	3,000	5,000	6,500
Other	3,500	3,000	3,000	D	D	9,500	D	D	D
Industrial engineers	3,000	1,500	10,000	4,000	3,500	6,000	10,500	6,500	9,500
Hispanic or Latino	3,000	3,500	21,500	7,000	12,000	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	2,500	1,000	1,000	7,500	D	10,000	D	D	D

TABLE A-16. Standard error of median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, ethnicity, race, and years since highest degree: 2008

Level of highest degree, occupation, ethnicity, and race[a]	Employed scientists and engineers	Years since highest degree							
		<5 years	5–9 years	10–14 years	15–19 years	20–24 years	25–29 years	30–34 years	35+ years
Black or African American	15,500	2,000	18,500	26,500	D	D	D	D	D
White	2,500	2,000	5,000	7,000	4,000	7,000	11,500	11,500	10,000
Other	4,000	D	D	D	D	D	D	D	D
Mechanical engineers	1,000	500	2,000	3,000	3,500	2,500	3,000	6,000	5,500
Hispanic or Latino	6,000	4,000	4,000	13,000	7,000	3,500	13,000	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	23,500	19,000	D	D	D	D	D	D	D
Asian	2,000	2,500	3,000	5,000	4,500	6,000	3,500	13,000	21,000
Black or African American	7,500	16,000	3,000	D	D	D	D	D	D
White	1,500	2,000	1,500	4,000	4,000	3,000	2,500	5,500	5,000
Other	2,000	5,000	15,500	D	D	D	D	D	D
Postsecondary teachers-engineering	5,000	S	5,000	7,000	6,000	18,000	8,000	9,500	9,500
Hispanic or Latino	19,500	1,000	18,000	D	1,000	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	2,500	19,500	4,500	10,000	10,000	2,500	7,000	9,500	S
Black or African American	16,500	S	S	7,500	D	D	D	D	D
White	5,000	10,000	5,000	8,000	8,000	21,000	15,000	19,000	9,500
Other	6,000	1,500	D	D	D	D	D	D	D
Other engineers	2,500	1,500	3,000	5,500	4,000	6,000	3,000	5,500	6,500
Hispanic or Latino	9,500	1,500	2,000	17,000	16,500	2,500	23,000	D	10,000
Not Hispanic or Latino									
American Indian or Alaska Native	17,500	D	D	D	D	D	D	D	D
Asian	500	5,500	2,000	14,000	8,500	10,000	D	D	11,000
Black or African American	10,000	5,000	19,500	6,000	19,500	3,500	D	D	D
White	1,500	2,000	5,000	5,500	4,500	5,000	3,000	6,000	9,000
Other	7,000	3,500	14,000	D	D	D	D	D	D
S&E-related occupations	1,000	1,000	2,000	1,500	1,000	2,500	1,000	3,000	3,500
Hispanic or Latino	2,000	4,000	3,500	5,500	7,500	18,500	9,000	6,500	2,500
Not Hispanic or Latino									
American Indian or Alaska Native	6,500	1,500	D	D	18,000	D	D	14,000	D
Asian	1,000	1,000	9,000	6,000	5,000	10,000	4,000	4,000	8,500
Black or African American	1,500	2,500	3,500	3,500	4,000	4,000	6,500	9,500	9,000
White	1,500	500	500	2,500	2,500	3,500	2,000	3,500	2,500
Other	2,000	1,000	24,000	4,500	5,000	4,500	8,500	11,000	23,000
Health occupations	1,000	500	1,000	3,000	2,000	2,000	3,500	2,500	3,000
Hispanic or Latino	1,500	4,000	5,500	7,500	7,000	15,500	10,500	12,000	8,500
Not Hispanic or Latino									
American Indian or Alaska Native	17,500	5,500	D	D	17,500	S	12,500	D	D
Asian	2,000	2,500	7,500	5,000	4,000	15,000	5,500	6,000	8,000
Black or African American	2,000	2,500	6,500	4,000	4,500	6,500	7,000	6,000	S
White	500	2,500	2,000	2,000	3,000	2,500	3,000	3,000	4,000
Other	3,000	3,000	17,000	12,500	5,500	16,500	7,500	12,500	10,500
S&E managers, including health	1,000	6,500	6,000	3,000	5,000	6,000	6,000	6,500	10,500
Hispanic or Latino	5,500	6,500	5,000	20,000	13,000	28,000	24,500	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	1,500	14,500	2,000	8,500	11,500	13,000	14,000	30,000	17,000
Black or African American	7,500	4,000	11,000	13,500	21,500	14,500	23,000	10,500	D
White	2,000	6,500	4,500	3,000	5,000	6,000	5,500	5,500	12,000
Other	14,500	2,500	D	27,500	D	D	D	D	3,000

TABLE A-16. Standard error of median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, ethnicity, race, and years since highest degree: 2008

Level of highest degree, occupation, ethnicity, and race[a]	Employed scientists and engineers	Years since highest degree							
		<5 years	5–9 years	10–14 years	15–19 years	20–24 years	25–29 years	30–34 years	35+ years
S&E precollege teachers	1,000	1,000	1,500	3,000	2,500	4,500	3,500	3,000	3,000
Hispanic or Latino	2,500	6,500	3,000	5,500	4,500	11,000	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	2,500	D	D	D	D	D	D	D	D
Asian	4,000	6,500	3,500	6,500	D	D	6,000	D	D
Black or African American	2,500	3,000	5,000	12,500	5,000	15,500	D	13,500	9,500
White	1,500	1,000	500	3,500	2,000	4,000	4,500	5,000	3,500
Other	7,500	4,000	500	D	D	D	D	D	D
S&E technicians/technologists	2,500	1,500	2,500	4,500	3,000	1,000	7,500	6,000	8,500
Hispanic or Latino	4,000	5,000	1,500	6,000	15,000	9,000	17,500	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	9,000	D	D	D	D	D	D	D	D
Asian	4,500	500	2,500	5,500	4,500	10,000	8,500	10,000	17,500
Black or African American	4,000	8,500	13,000	6,000	14,500	3,500	D	17,000	D
White	3,500	3,000	2,000	6,000	2,000	2,000	5,500	5,500	10,000
Other	11,500	3,500	8,000	6,000	27,000	D	D	D	D
Other S&E-related occupations	1,000	3,500	2,000	3,000	3,500	5,500	9,000	11,000	16,500
Hispanic or Latino	7,000	1,500	13,000	9,500	D	S	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	4,500	5,000	14,500	10,500	D	D	17,000	D	D
Black or African American	15,500	4,000	D	D	D	15,000	D	D	D
White	1,000	6,000	2,000	6,000	4,000	7,000	13,000	14,500	23,000
Other	6,000	D	D	D	D	D	D	D	D
Non-S&E occupations	1,500	1,000	2,000	2,000	3,500	2,500	2,000	3,000	500
Hispanic or Latino	1,500	1,000	1,500	7,000	4,500	6,500	7,000	10,500	8,000
Not Hispanic or Latino									
American Indian or Alaska Native	4,000	7,000	17,000	D	9,000	20,500	6,000	8,500	27,000
Asian	3,500	3,000	7,000	7,000	8,000	5,000	6,500	1,500	8,000
Black or African American	3,500	1,500	2,000	3,500	12,000	4,000	6,000	6,500	14,000
White	500	1,500	5,000	1,500	3,000	2,000	2,000	2,000	500
Other	2,000	6,500	5,500	4,500	17,000	12,500	10,000	7,500	8,000
Arts/humanities/related occupations	7,000	2,000	5,000	6,500	9,000	5,500	10,000	10,500	7,000
Hispanic or Latino	9,000	S	8,000	12,000	D	S	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	3,000	2,500	13,500	D	S	D	D	2,000	D
Black or African American	10,500	14,500	3,500	7,000	D	D	D	D	D
White	3,500	5,500	8,500	10,000	7,500	5,000	10,000	7,500	7,500
Other	S	S	D	1,500	D	D	D	D	D
Management-related occupations	2,000	2,500	5,000	3,500	3,000	3,000	4,000	5,000	5,500
Hispanic or Latino	4,000	3,000	12,500	13,500	17,000	8,000	31,000	9,000	11,000
Not Hispanic or Latino									
American Indian or Alaska Native	29,500	D	D	D	D	D	D	D	D
Asian	7,000	10,000	7,500	10,500	3,000	9,000	10,500	20,000	24,000
Black or African American	5,000	5,500	4,500	10,000	6,500	13,000	16,000	14,000	S
White	1,500	2,000	3,500	4,500	3,000	3,000	6,500	5,500	6,500
Other	8,500	1,500	1,500	9,500	5,000	12,500	D	S	D
Non-S&E managers	2,000	4,000	4,000	6,500	6,000	4,000	5,000	7,000	7,500
Hispanic or Latino	3,500	9,500	6,500	8,000	19,500	22,000	12,500	21,000	58,500

TABLE A-16. Standard error of median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, ethnicity, race, and years since highest degree: 2008

Level of highest degree, occupation, ethnicity, and race[a]	Employed scientists and engineers	Years since highest degree							
		<5 years	5–9 years	10–14 years	15–19 years	20–24 years	25–29 years	30–34 years	35+ years
Not Hispanic or Latino									
American Indian or Alaska Native	34,000	D	D	D	D	D	D	D	D
Asian	8,500	8,000	16,500	13,000	15,000	24,000	23,000	48,000	5,000
Black or African American	3,000	10,000	5,500	4,000	17,500	18,000	8,000	6,500	12,000
White	2,500	3,000	4,500	7,000	6,500	5,000	5,500	6,000	5,000
Other	31,500	4,500	31,000	14,500	D	S	D	D	D
Non-S&E postsecondary teachers	3,500	4,500	5,500	4,000	12,000	21,000	12,500	8,500	S
Hispanic or Latino	4,500	6,000	11,500	18,000	16,000	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	11,500	S	23,000	20,500	19,000	D	S	D	D
Black or African American	1,000	7,500	13,000	7,000	500	D	D	D	30,000
White	3,500	2,500	6,000	4,500	13,500	13,500	13,500	7,500	S
Other	4,000	S	D	D	D	D	D	D	D
Non-S&E precollege/other teachers	1,000	2,500	2,500	2,000	3,000	3,500	5,000	8,000	8,500
Hispanic or Latino	1,500	2,000	4,000	6,000	16,000	7,500	9,000	S	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	7,500	2,500	500	5,500	S	2,500	D	D	D
Black or African American	3,000	5,500	5,000	5,500	8,000	19,500	S	S	5,000
White	1,500	1,500	3,000	1,000	2,500	3,500	7,500	7,500	S
Other	6,000	4,500	D	D	D	D	D	8,000	D
Sales/marketing occupations	3,000	1,000	6,500	4,000	4,000	5,500	7,000	3,500	3,500
Hispanic or Latino	4,000	8,000	4,500	19,000	S	3,500	17,000	9,000	10,500
Not Hispanic or Latino									
American Indian or Alaska Native	6,000	D	24,000	D	D	D	D	D	D
Asian	11,000	1,000	6,500	5,000	24,500	8,000	21,000	S	18,000
Black or African American	5,000	10,000	7,000	19,500	14,000	25,000	7,500	S	S
White	2,000	1,000	3,500	4,500	4,500	8,000	8,000	3,000	3,500
Other	9,500	5,000	500	16,500	16,500	S	D	D	5,500
Social services/related occupations	1,000	1,500	2,500	2,000	4,000	2,500	2,000	4,000	6,500
Hispanic or Latino	2,000	2,500	6,000	9,000	14,000	15,000	11,000	8,500	D
Not Hispanic or Latino									
American Indian or Alaska Native	2,500	2,000	D	D	D	D	D	D	D
Asian	5,500	17,000	8,500	12,000	12,500	D	D	D	8,000
Black or African American	1,500	2,000	1,500	7,000	5,000	6,500	10,000	7,500	D
White	500	500	1,000	2,000	3,500	3,000	2,000	5,000	7,000
Other	2,000	1,000	7,500	D	D	D	D	D	D
Other non-S&E occupations	1,500	1,000	1,500	3,000	3,000	4,500	4,500	3,500	2,500
Hispanic or Latino	2,000	1,000	6,500	4,000	12,000	9,000	9,000	20,000	9,000
Not Hispanic or Latino									
American Indian or Alaska Native	5,500	15,000	13,500	D	S	D	D	D	D
Asian	3,000	2,500	10,000	13,000	6,500	8,500	10,500	4,500	3,500
Black or African American	1,500	3,500	4,000	5,000	7,000	14,500	15,000	8,000	10,500
White	1,000	1,500	1,500	3,000	2,000	6,500	2,000	4,000	2,500
Other	2,000	5,000	24,000	13,000	1,000	8,500	S	11,000	13,500
Bachelor's degrees, all occupations	500	500	1,000	1,500	2,500	1,500	2,000	1,000	3,500
Hispanic or Latino	1,500	500	2,500	2,500	3,500	4,500	11,500	4,500	7,500
Not Hispanic or Latino									
American Indian or Alaska Native	4,500	3,500	5,500	17,500	12,500	16,000	5,500	12,500	D
Asian	2,000	500	1,000	3,000	2,500	3,000	6,000	6,500	5,000

TABLE A-16. Standard error of median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, ethnicity, race, and years since highest degree: 2008

Level of highest degree, occupation, ethnicity, and race[a]	Employed scientists and engineers	Years since highest degree							
		<5 years	5–9 years	10–14 years	15–19 years	20–24 years	25–29 years	30–34 years	35+ years
Black or African American	1,000	1,500	2,500	3,500	5,000	3,500	6,000	5,500	10,000
White	500	500	1,500	2,000	2,500	2,000	2,500	1,500	3,500
Other	2,000	1,000	2,500	4,000	11,000	5,000	10,500	11,500	5,500
S&E occupations	500	2,500	1,000	500	1,500	1,000	1,500	2,500	3,000
Hispanic or Latino	2,500	3,000	3,000	3,500	6,000	5,500	8,000	11,000	10,000
Not Hispanic or Latino									
American Indian or Alaska Native	8,500	4,500	D	15,000	23,000	D	D	D	D
Asian	1,500	1,500	500	2,500	5,000	5,500	2,000	6,000	3,500
Black or African American	2,500	1,500	4,000	2,500	6,500	4,500	9,000	7,500	11,500
White	2,500	500	3,000	1,500	1,500	2,000	2,500	2,500	3,500
Other	3,000	3,000	8,000	5,000	16,000	6,500	20,500	8,000	14,000
Science occupations	500	500	2,000	2,500	2,000	2,500	2,500	4,000	4,500
Hispanic or Latino	3,500	9,500	2,000	4,000	9,000	10,500	10,500	11,500	8,000
Not Hispanic or Latino									
American Indian or Alaska Native	6,000	29,500	D	12,000	D	D	D	D	D
Asian	1,000	500	7,500	4,500	4,500	5,500	2,500	4,000	6,500
Black or African American	3,500	3,000	6,000	3,500	8,000	3,500	19,500	16,500	12,000
White	1,000	1,500	2,000	2,000	2,500	2,500	3,000	2,500	5,500
Other	3,000	6,500	11,000	9,000	D	3,000	23,000	21,000	10,500
Biological/agricultural/other life scientists	2,500	1,000	S	3,000	10,500	8,500	7,000	7,000	7,000
Hispanic or Latino	8,000	2,000	9,500	D	D	D	20,000	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	15,500	D	D	D	D	D	D	D	D
Asian	7,000	1,000	8,000	D	D	3,000	12,000	D	D
Black or African American	8,000	D	9,500	D	D	D	D	D	D
White	3,000	1,500	2,500	3,000	11,000	11,500	10,000	7,000	7,000
Other	11,500	16,500	D	D	D	D	D	D	D
Agricultural/food scientists	2,500	4,000	6,500	D	D	18,500	S	34,500	16,500
Hispanic or Latino	D	6,500	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	D	D	D	D	D	D	D	D	D
Black or African American	D	5,500	D	D	D	D	D	D	D
White	2,500	5,000	7,000	D	D	18,500	S	34,500	16,500
Other	D	D	D	D	D	D	D	D	D
Biological/medical scientists	1,500	1,500	8,000	2,500	10,000	8,000	8,500	6,500	6,500
Hispanic or Latino	7,000	4,500	9,500	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	3,500	2,500	S	D	D	2,000	D	D	D
Black or African American	12,000	D	6,000	D	D	D	D	D	D
White	5,000	4,500	2,000	3,000	10,500	20,000	10,000	13,000	5,500
Other	S	5,500	D	D	D	D	D	D	D
Environmental life scientists	6,000	3,500	2,000	7,500	D	4,000	D	7,500	22,500
Hispanic or Latino	D	D	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	D	D	D	D	D	D	D	D	D
Black or African American	D	D	D	D	D	D	D	D	D
White	5,500	3,000	500	7,500	D	1,000	D	5,500	21,500
Other	D	D	D	D	D	D	D	D	D

TABLE A-16. Standard error of median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, ethnicity, race, and years since highest degree: 2008

Level of highest degree, occupation, ethnicity, and race[a]	Employed scientists and engineers	Years since highest degree							
		<5 years	5–9 years	10–14 years	15–19 years	20–24 years	25–29 years	30–34 years	35+ years
Postsecondary teachers-life/related sciences	4,500	1,500	7,000	D	D	D	D	D	D
Hispanic or Latino	D	D	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	D	D	D	D	D	D	D	D	D
Black or African American	D	D	D	D	D	D	D	D	D
White	6,000	2,500	3,500	D	D	D	D	D	D
Other	D	D	D	D	D	D	D	D	D
Computer/mathematical scientists	1,000	1,000	1,000	1,000	2,000	2,500	1,500	2,000	3,500
Hispanic or Latino	3,500	3,000	3,000	4,500	11,000	6,500	17,000	11,000	7,500
Not Hispanic or Latino									
American Indian or Alaska Native	4,500	D	D	1,000	D	D	D	D	D
Asian	1,000	1,500	1,000	4,000	3,500	4,500	2,000	6,500	19,000
Black or African American	2,500	3,000	4,500	3,500	7,500	3,500	21,500	17,500	16,500
White	500	1,000	3,000	1,500	2,500	3,000	2,500	2,500	3,500
Other	10,500	5,500	12,500	11,500	17,500	2,500	27,500	D	24,500
Computer/information scientists	500	1,000	1,500	2,500	2,000	2,500	1,500	2,500	3,500
Hispanic or Latino	3,000	9,500	1,000	4,500	11,000	7,000	10,500	11,000	9,000
Not Hispanic or Latino									
American Indian or Alaska Native	4,500	D	D	1,000	D	D	D	D	D
Asian	500	2,500	1,000	4,000	3,500	4,500	2,000	16,000	20,000
Black or African American	2,500	2,000	6,500	3,500	5,000	4,000	21,500	17,000	7,500
White	1,000	1,000	3,000	2,500	2,500	2,500	2,000	3,000	3,500
Other	8,500	7,000	12,500	11,500	17,500	2,500	27,500	D	24,500
Mathematical scientists	7,500	1,000	16,000	3,000	14,500	D	6,000	10,000	25,500
Hispanic or Latino	7,000	4,000	7,000	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	12,000	S	D	D	D	D	D	D	D
Black or African American	4,500	1,500	D	D	D	D	D	D	D
White	4,000	20,000	8,000	3,000	10,000	D	8,000	9,000	17,000
Other	D	D	D	D	D	D	D	D	D
Postsecondary teachers-computer/mathematical sciences	1,500	1,000	1,000	D	D	D	8,000	D	S
Hispanic or Latino	7,500	D	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	2,500	S	D	D	D	D	D	D	D
Black or African American	D	D	D	D	D	D	D	D	D
White	2,000	1,500	1,500	D	D	D	D	D	D
Other	D	D	D	D	D	D	D	D	D
Physical/related scientists	1,000	2,500	2,000	2,500	1,500	3,000	7,000	14,500	8,000
Hispanic or Latino	16,000	3,000	14,000	12,500	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	5,500	D	D	D	D	D	D	D	D
Asian	5,500	1,500	5,000	D	D	10,000	D	D	6,000
Black or African American	5,500	2,500	7,000	D	D	D	D	5,500	D
White	1,000	2,000	2,500	2,500	4,500	3,500	7,000	15,500	20,500
Other	8,000	S	5,500	D	D	D	D	D	D

TABLE A-16. Standard error of median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, ethnicity, race, and years since highest degree: 2008

Level of highest degree, occupation, ethnicity, and race[a]	Employed scientists and engineers	Years since highest degree							
		<5 years	5–9 years	10–14 years	15–19 years	20–24 years	25–29 years	30–34 years	35+ years
Chemists, except biochemists	1,500	14,000	4,500	4,500	6,000	8,500	6,500	15,000	5,000
Hispanic or Latino	13,500	7,000	7,000	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	5,000	11,000	4,000	D	D	10,000	D	D	6,500
Black or African American	9,000	2,500	D	D	D	D	D	D	D
White	1,500	6,000	1,000	5,500	9,000	12,500	6,000	16,500	16,500
Other	14,500	D	15,500	D	D	D	D	D	D
Earth/atmospheric/ocean scientists	6,000	2,000	4,500	2,500	5,500	6,500	3,500	15,500	20,000
Hispanic or Latino	6,500	S	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	23,000	D	D	D	D	D	D	D	D
Black or African American	2,000	5,500	D	D	D	D	D	D	D
White	4,500	6,000	1,500	2,000	6,500	6,500	3,500	16,500	S
Other	6,000	12,000	D	D	D	D	D	D	D
Physicists/astronomers	S	500	S	D	D	D	D	D	D
Hispanic or Latino	D	D	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	D	D	D	D	D	D	D	D	D
Black or African American	D	D	D	D	D	D	D	D	D
White	4,000	4,500	2,500	D	D	D	D	D	D
Other	D	D	D	D	D	D	D	D	D
Postsecondary teachers-physical/ related sciences	2,500	2,000	11,500	D	D	D	D	D	D
Hispanic or Latino	2,500	2,500	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	1,500	4,500	D	D	D	D	D	D	D
Black or African American	D	D	D	D	D	D	D	D	D
White	2,000	500	11,000	D	D	D	D	D	D
Other	5,000	5,000	D	D	D	D	D	D	D
Other physical/related scientists	5,500	6,000	3,500	13,000	3,500	12,500	13,000	6,000	S
Hispanic or Latino	12,500	D	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	D	D	D	D	D	D	D	D	D
Black or African American	D	D	D	D	D	D	D	D	D
White	5,500	1,000	1,000	D	3,500	13,000	12,500	6,000	29,500
Other	D	D	D	D	D	D	D	D	D
Social/related scientists	4,000	3,000	8,500	8,000	18,000	21,000	13,500	7,000	7,500
Hispanic or Latino	2,000	2,000	7,000	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	11,500	8,000	7,500	D	D	D	D	D	D
Black or African American	14,500	S	D	D	D	D	D	D	D
White	3,000	5,500	12,000	12,500	21,500	28,500	27,500	7,000	16,500
Other	3,000	7,000	D	D	D	D	D	D	D
Economists	8,500	13,000	D	D	D	10,000	D	D	D
Hispanic or Latino	D	D	D	D	D	D	D	D	D

TABLE A-16. Standard error of median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, ethnicity, race, and years since highest degree: 2008

Level of highest degree, occupation, ethnicity, and race[a]	Employed scientists and engineers	Years since highest degree							
		<5 years	5–9 years	10–14 years	15–19 years	20–24 years	25–29 years	30–34 years	35+ years
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	D	D	D	D	D	D	D	D	D
Black or African American	D	D	D	D	D	D	D	D	D
White	8,500	7,500	D	D	D	D	D	D	D
Other	D	D	D	D	D	D	D	D	D
Political/related scientists	1,500	S	D	D	D	D	D	D	D
Hispanic or Latino	D	D	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	D	D	D	D	D	D	D	D	D
Black or African American	D	D	D	D	D	D	D	D	D
White	2,000	4,000	D	D	D	D	D	D	D
Other	D	D	D	D	D	D	D	D	D
Postsecondary teachers-social/ related sciences	1,000	3,500	3,500	D	D	D	D	D	D
Hispanic or Latino	D	D	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	D	D	D	D	D	D	D	D	D
Black or African American	D	D	D	D	D	D	D	D	D
White	3,000	2,000	3,500	D	D	D	D	D	D
Other	D	D	D	D	D	D	D	D	D
Psychologists	2,000	6,500	5,500	D	D	D	D	D	D
Hispanic or Latino	S	D	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	S	D	D	D	D	D	D	D	D
Black or African American	11,000	D	D	D	D	D	D	D	D
White	2,500	S	D	D	D	D	D	D	D
Other	D	D	D	D	D	D	D	D	D
Sociologists/anthropologists	2,000	7,500	D	D	D	D	D	D	D
Hispanic or Latino	D	D	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	D	D	D	D	D	D	D	D	D
Black or African American	D	D	D	D	D	D	D	D	D
White	3,500	4,500	D	D	D	D	D	D	D
Other	D	D	D	D	D	D	D	D	D
Other social/related scientists	4,000	3,000	13,000	11,500	15,000	30,000	16,500	6,500	32,000
Hispanic or Latino	3,500	D	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	6,000	3,500	D	D	D	D	D	D	D
Black or African American	12,500	D	D	D	D	D	D	D	D
White	6,500	2,500	13,500	11,500	S	27,500	11,000	6,500	41,000
Other	D	D	D	D	D	D	D	D	D
Engineering occupations	2,000	2,000	1,000	2,000	2,000	2,500	2,500	2,500	3,500
Hispanic or Latino	3,000	2,000	1,500	4,500	5,000	6,000	19,000	12,500	11,000

TABLE A-16. Standard error of median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, ethnicity, race, and years since highest degree: 2008

Level of highest degree, occupation, ethnicity, and race[a]	Employed scientists and engineers	Years since highest degree							
		<5 years	5–9 years	10–14 years	15–19 years	20–24 years	25–29 years	30–34 years	35+ years
Not Hispanic or Latino									
American Indian or Alaska Native	9,000	5,500	24,500	D	D	D	D	D	D
Asian	2,500	1,500	2,500	4,000	8,000	9,000	3,000	14,500	4,000
Black or African American	4,500	4,000	8,000	5,000	7,500	23,500	10,500	8,500	D
White	1,000	2,000	1,000	2,500	2,000	2,500	2,500	3,500	5,500
Other	5,000	2,500	6,000	5,500	5,500	13,000	10,000	14,000	S
Aerospace/aeronautical/astronautical engineers	4,500	500	1,000	4,500	7,000	3,000	9,500	10,000	16,500
Hispanic or Latino	14,000	4,500	13,000	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	5,000	1,500	4,500	D	D	D	D	4,500	D
Black or African American	25,500	1,000	D	D	D	D	D	D	D
White	4,000	2,000	3,000	10,000	7,000	4,000	9,000	15,500	15,500
Other	6,500	3,500	D	D	D	D	D	D	D
Chemical engineers	3,500	2,000	4,000	3,000	12,500	5,000	6,000	6,500	13,500
Hispanic or Latino	13,000	1,000	9,500	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	6,500	7,000	11,500	D	D	D	D	D	D
Black or African American	8,000	5,000	D	D	D	D	D	D	D
White	4,500	1,500	2,500	3,500	8,000	6,000	3,000	6,500	11,500
Other	D	S	D	D	D	D	D	D	D
Civil/architectural/sanitary engineers	2,000	500	2,000	2,000	2,000	3,000	4,000	7,500	8,000
Hispanic or Latino	6,000	1,000	3,000	7,500	11,500	D	30,500	D	8,000
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	6,500	1,000	16,500	4,000	8,500	D	7,500	9,000	5,500
Black or African American	6,000	14,000	4,000	D	16,000	6,500	D	D	D
White	2,500	1,000	3,000	4,000	2,500	3,000	4,000	5,500	5,000
Other	10,500	1,500	8,000	D	D	D	D	D	D
Electrical/computer hardware engineers	1,500	2,000	4,000	1,500	2,500	500	3,000	3,000	8,000
Hispanic or Latino	4,000	8,000	10,000	3,500	5,000	17,000	8,500	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	3,000	5,000	2,000	3,000	12,000	3,000	3,000	D	8,500
Black or African American	5,500	3,500	10,500	D	D	21,500	11,000	5,500	D
White	1,000	1,000	1,500	2,500	4,000	1,500	4,000	3,000	8,000
Other	5,500	3,000	2,000	D	D	D	D	D	D
Industrial engineers	2,000	1,500	2,000	3,500	6,000	7,000	9,000	7,500	7,000
Hispanic or Latino	2,000	8,000	9,500	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	2,000	2,500	1,000	10,500	D	9,000	D	D	D
Black or African American	8,500	9,500	24,500	D	D	D	D	D	D
White	4,500	2,500	500	10,500	3,500	7,500	11,000	11,500	7,500
Other	4,000	D	D	D	D	D	D	D	D
Mechanical engineers	2,000	1,000	1,000	3,500	3,000	2,500	2,000	3,500	5,500
Hispanic or Latino	6,000	8,500	1,500	11,000	19,000	3,500	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	22,000	D	D	D	D	D	D	D	D
Asian	6,500	2,000	7,500	14,000	6,000	11,500	4,000	15,000	20,000

TABLE A-16. Standard error of median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, ethnicity, race, and years since highest degree: 2008

Level of highest degree, occupation, ethnicity, and race[a]	Employed scientists and engineers	Years since highest degree							
		<5 years	5–9 years	10–14 years	15–19 years	20–24 years	25–29 years	30–34 years	35+ years
Black or African American	10,500	7,000	2,500	D	D	D	D	D	D
White	2,500	1,000	1,000	4,000	3,500	3,000	3,500	4,000	4,000
Other	1,500	2,000	D	D	D	D	D	D	D
Postsecondary teachers-engineering	S	5,500	3,000	D	D	D	D	D	12,000
Hispanic or Latino	D	D	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	D	D	D	D	D	D	D	D	D
Black or African American	1,500	D	D	D	D	D	D	D	D
White	S	S	D	D	D	D	D	D	10,500
Other	D	D	D	D	D	D	D	D	D
Other engineers	1,000	4,000	3,500	3,000	5,000	1,500	3,000	9,500	8,000
Hispanic or Latino	13,500	2,000	6,000	13,000	17,500	3,000	20,000	D	6,000
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	11,500	7,500	11,000	D	D	D	D	D	9,000
Black or African American	19,500	7,500	D	10,500	D	D	D	D	D
White	2,500	500	3,000	3,000	7,000	5,500	3,000	9,000	9,500
Other	11,000	2,500	D	D	D	D	D	D	D
S&E-related occupations	1,000	3,500	1,000	1,000	500	2,500	2,500	3,500	1,000
Hispanic or Latino	5,000	1,500	1,000	4,000	4,000	9,500	14,500	6,000	8,000
Not Hispanic or Latino									
American Indian or Alaska Native	6,000	12,000	6,000	D	D	D	D	D	D
Asian	6,000	2,500	7,000	2,500	3,000	6,000	9,000	17,500	4,500
Black or African American	2,500	2,500	3,500	6,000	9,500	8,500	6,500	13,000	13,000
White	1,500	1,500	500	3,000	2,500	3,000	2,500	4,000	2,000
Other	3,500	1,500	8,000	8,000	4,500	4,500	10,000	16,500	28,500
Health occupations	1,500	1,000	500	2,500	2,500	2,000	2,000	4,500	4,000
Hispanic or Latino	1,500	2,000	2,000	4,000	3,500	12,500	15,000	15,000	12,500
Not Hispanic or Latino									
American Indian or Alaska Native	5,000	4,000	D	D	D	D	D	D	D
Asian	3,500	9,000	10,000	9,500	3,000	8,000	10,500	15,500	4,000
Black or African American	2,000	3,000	8,000	6,000	7,500	5,500	7,000	10,000	8,000
White	1,000	500	1,000	2,500	1,500	2,000	1,500	5,000	3,000
Other	2,500	3,000	6,000	14,500	3,500	D	9,000	19,500	4,000
S&E managers, including health	2,000	15,000	4,500	4,000	4,000	10,000	6,000	8,000	8,000
Hispanic or Latino	7,500	D	4,500	11,500	D	27,500	3,500	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	4,500	D	D	12,000	15,000	25,000	D	36,000	23,000
Black or African American	10,000	D	14,500	D	18,500	15,000	23,500	D	D
White	2,500	3,500	8,500	6,000	4,000	9,500	8,000	9,000	15,000
Other	25,500	D	D	D	D	D	D	D	2,500
S&E precollege teachers	1,500	1,000	2,000	3,000	3,000	6,500	2,500	5,000	2,500
Hispanic or Latino	3,500	1,000	2,000	D	5,500	3,000	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	12,000	D	D	D	D	D	D	D	D
Asian	2,000	2,000	D	D	D	D	D	D	D
Black or African American	2,000	13,000	1,500	12,500	D	D	D	D	14,000
White	1,500	500	2,000	3,000	4,000	6,000	2,500	5,000	4,000
Other	500	D	D	D	D	D	D	D	D

TABLE A-16. Standard error of median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, ethnicity, race, and years since highest degree: 2008

Level of highest degree, occupation, ethnicity, and race[a]	Employed scientists and engineers	Years since highest degree							
		<5 years	5–9 years	10–14 years	15–19 years	20–24 years	25–29 years	30–34 years	35+ years
S&E technicians/technologists	2,500	2,500	2,000	6,000	2,500	1,000	9,000	6,000	9,500
Hispanic or Latino	3,000	1,000	2,500	15,500	18,500	9,000	16,000	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	9,000	D	D	D	D	D	D	D	D
Asian	4,000	1,500	5,500	1,500	8,500	15,000	9,500	11,000	17,000
Black or African American	4,500	7,500	1,500	D	D	3,500	D	14,000	D
White	3,000	3,000	5,500	6,000	2,500	1,500	10,000	5,500	11,500
Other	17,500	2,500	8,500	D	D	D	D	D	D
Other S&E-related occupations	3,000	2,500	5,500	6,000	10,000	5,500	16,500	12,500	9,000
Hispanic or Latino	8,500	D	D	D	D	S	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	5,500	1,000	17,000	34,500	D	D	32,500	D	D
Black or African American	17,000	D	D	D	D	15,000	D	D	D
White	4,500	9,500	7,500	6,000	11,500	6,500	11,000	12,500	17,500
Other	6,500	D	D	D	D	D	D	D	D
Non-S&E occupations	1,000	500	5,500	2,500	1,000	2,500	2,500	3,000	3,500
Hispanic or Latino	5,500	1,000	1,500	4,000	6,000	8,000	5,500	10,500	10,000
Not Hispanic or Latino									
American Indian or Alaska Native	7,500	1,500	9,000	D	D	D	D	S	D
Asian	2,500	500	6,000	6,000	5,500	4,000	8,500	5,500	6,000
Black or African American	1,500	1,000	2,000	3,500	2,500	6,000	4,500	9,000	9,000
White	500	500	1,000	3,000	3,000	3,500	4,000	3,500	1,500
Other	2,000	1,500	6,500	9,000	22,500	16,500	10,500	8,000	11,000
Arts/humanities/related occupations	2,500	1,000	6,500	13,000	13,000	4,500	9,500	16,000	11,000
Hispanic or Latino	14,500	6,500	D	14,000	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	3,000	1,000	S	D	D	D	D	D	D
Black or African American	13,500	14,000	12,500	D	D	D	D	D	D
White	3,000	1,500	S	9,000	12,500	7,500	15,000	16,500	10,000
Other	8,000	S	D	D	D	D	D	D	D
Management-related occupations	3,000	1,000	4,500	4,000	3,000	4,500	5,500	5,000	8,000
Hispanic or Latino	1,500	2,000	4,000	10,000	3,500	16,000	D	10,500	11,000
Not Hispanic or Latino									
American Indian or Alaska Native	20,000	D	D	D	D	D	D	D	D
Asian	3,000	4,500	7,000	15,500	13,500	5,000	23,500	19,500	S
Black or African American	1,500	5,500	8,000	11,000	19,000	13,000	8,500	D	S
White	3,500	500	3,000	7,000	3,000	5,500	6,500	7,000	8,500
Other	6,500	3,500	1,500	12,000	D	D	D	D	D
Non-S&E managers	3,500	1,500	5,500	5,500	6,000	6,000	6,000	10,000	11,500
Hispanic or Latino	8,000	10,000	D	11,000	28,500	28,500	20,000	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	5,500	D	14,000	33,000	D	15,000	24,500	D	9,500
Black or African American	4,000	5,000	7,000	D	10,500	29,500	18,500	6,000	D
White	4,500	3,000	15,500	6,500	5,500	7,000	6,500	10,000	11,500
Other	S	8,500	D	D	97,000	D	D	D	D
Non-S&E postsecondary teachers	4,000	4,000	S	8,000	D	S	8,000	11,500	D
Hispanic or Latino	3,500	D	D	D	D	D	D	D	D

TABLE A-16. Standard error of median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, ethnicity, race, and years since highest degree: 2008

Level of highest degree, occupation, ethnicity, and race[a]	Employed scientists and engineers	Years since highest degree							
		<5 years	5–9 years	10–14 years	15–19 years	20–24 years	25–29 years	30–34 years	35+ years
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	D	D	D	D	D	D	D	D	D
Black or African American	1,000	5,000	D	D	D	D	D	D	D
White	1,500	3,500	D	D	D	D	11,000	17,500	D
Other	3,500	D	D	D	D	D	D	D	D
Non-S&E precollege/other teachers	2,000	3,500	2,500	10,500	4,000	4,500	5,000	6,000	9,000
Hispanic or Latino	1,500	3,500	2,500	S	S	D	9,500	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	5,000	D	D	D	9,500	D	D	D	D
Black or African American	3,500	1,500	4,500	7,500	D	13,500	D	D	5,000
White	2,500	3,000	2,500	S	3,500	4,000	5,500	5,500	10,500
Other	S	3,000	D	D	D	D	D	D	D
Sales/marketing occupations	2,000	500	1,000	4,500	4,500	3,500	11,000	6,000	2,500
Hispanic or Latino	6,500	7,000	7,500	21,000	S	4,500	5,500	D	8,000
Not Hispanic or Latino									
American Indian or Alaska Native	14,000	D	24,000	D	D	D	D	D	D
Asian	3,000	6,000	16,500	20,500	21,500	6,500	14,500	S	10,500
Black or African American	5,000	3,500	2,000	5,500	19,500	29,000	7,500	31,000	S
White	500	1,000	4,500	4,000	6,500	8,000	9,000	6,000	3,000
Other	3,500	3,000	500	18,000	D	S	D	D	D
Social services/related occupations	1,000	500	1,500	3,000	2,000	6,000	3,000	3,000	6,500
Hispanic or Latino	1,500	1,000	9,000	11,000	D	5,500	S	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	6,500	5,000	D	D	D	D	D	D	D
Black or African American	3,500	1,500	1,000	1,500	5,000	D	10,500	5,500	D
White	1,000	500	4,000	2,000	4,000	5,000	2,500	4,000	5,500
Other	6,000	7,000	3,000	D	D	D	D	D	D
Other non-S&E occupations	500	500	1,000	3,000	2,000	3,000	3,500	2,000	2,500
Hispanic or Latino	3,000	1,500	2,500	5,000	6,500	6,500	8,500	17,000	9,000
Not Hispanic or Latino									
American Indian or Alaska Native	6,000	1,000	3,500	D	D	D	D	D	D
Asian	1,500	2,000	1,500	9,500	5,000	8,500	10,000	9,500	3,500
Black or African American	2,500	1,500	3,000	7,000	6,500	11,500	14,500	6,500	14,000
White	1,000	500	3,000	5,000	4,500	3,500	5,000	1,500	3,000
Other	3,500	1,500	13,500	D	1,000	13,000	D	D	16,000
Master's degrees, all occupations	500	3,000	1,500	1,500	2,500	4,500	1,500	2,000	5,500
Hispanic or Latino	1,500	3,000	5,000	6,000	6,500	4,000	21,500	7,500	13,000
Not Hispanic or Latino									
American Indian or Alaska Native	2,500	2,500	13,500	D	3,500	7,500	D	D	D
Asian	2,500	500	2,500	2,000	4,500	4,500	5,500	3,500	3,500
Black or African American	1,000	3,000	4,000	5,000	6,000	5,500	3,500	7,500	14,500
White	1,500	1,000	3,000	2,500	2,000	4,000	3,000	3,000	4,000
Other	2,000	5,500	3,000	22,500	12,000	15,000	10,000	S	23,500
S&E occupations	1,000	2,000	1,500	2,000	1,500	5,000	2,500	4,000	6,000
Hispanic or Latino	5,000	3,500	4,000	7,000	5,500	8,000	16,500	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	7,000	7,000	D	D	D	D	D	D	D
Asian	1,500	1,000	2,500	3,000	3,000	1,000	5,500	7,500	6,000

TABLE A-16. Standard error of median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, ethnicity, race, and years since highest degree: 2008

Level of highest degree, occupation, ethnicity, and race[a]	Employed scientists and engineers	Years since highest degree							
		<5 years	5–9 years	10–14 years	15–19 years	20–24 years	25–29 years	30–34 years	35+ years
Black or African American	3,500	9,500	7,500	2,500	11,000	11,000	7,000	15,000	D
White	1,500	3,500	1,500	2,500	2,000	6,000	3,500	4,000	5,500
Other	4,000	16,000	4,500	8,000	D	15,000	D	10,000	D
Science occupations	1,500	500	1,500	3,000	2,500	3,500	4,000	4,000	4,500
Hispanic or Latino	4,500	9,500	4,000	11,500	8,500	5,500	22,000	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	11,000	D	D	D	D	D	D	D	D
Asian	2,500	2,500	2,000	3,500	3,000	4,000	7,500	13,000	7,000
Black or African American	3,000	4,000	8,000	3,000	22,000	12,000	7,000	5,000	D
White	2,000	4,000	1,500	4,000	2,500	4,000	4,500	4,500	5,000
Other	2,000	1,500	24,500	6,500	D	3,000	D	8,500	D
Biological/agricultural/other life scientists	4,500	5,500	5,000	7,000	6,500	5,500	3,000	12,500	9,000
Hispanic or Latino	9,500	9,000	5,500	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	7,000	4,500	9,000	4,500	D	18,500	16,000	D	D
Black or African American	7,500	8,500	D	D	D	D	D	D	D
White	3,000	2,500	4,000	6,500	8,000	10,000	4,500	14,500	14,000
Other	14,500	D	D	D	D	D	D	D	D
Agricultural/food scientists	9,000	20,500	13,500	3,000	14,000	10,000	21,500	D	D
Hispanic or Latino	D	D	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	9,500	3,000	D	D	D	D	D	D	D
Black or African American	D	D	D	D	D	D	D	D	D
White	8,500	16,500	26,000	2,500	D	10,000	33,500	D	D
Other	D	D	D	D	D	D	D	D	D
Biological/medical scientists	2,500	1,500	4,500	12,500	8,500	11,000	10,000	9,000	16,500
Hispanic or Latino	5,000	1,000	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	4,500	3,500	3,000	4,500	D	18,500	D	D	D
Black or African American	17,500	12,000	D	D	D	D	D	D	D
White	3,000	2,000	8,500	8,000	10,500	12,000	4,500	9,000	S
Other	9,000	D	D	D	D	D	D	D	D
Environmental life scientists	4,500	9,000	2,500	D	D	15,500	12,500	D	D
Hispanic or Latino	D	D	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	D	D	D	D	D	D	D	D	D
Black or African American	D	D	D	D	D	D	D	D	D
White	7,000	1,000	3,000	D	D	15,500	12,500	D	D
Other	D	D	D	D	D	D	D	D	D
Postsecondary teachers-life/ related sciences	2,000	4,500	13,000	6,500	7,000	D	D	D	S
Hispanic or Latino	5,000	4,000	4,000	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	500	500	D	D	D	D	D	D	D
Black or African American	D	D	D	D	D	D	D	D	D

TABLE A-16. Standard error of median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, ethnicity, race, and years since highest degree: 2008

Level of highest degree, occupation, ethnicity, and race[a]	Employed scientists and engineers	Years since highest degree							
		<5 years	5–9 years	10–14 years	15–19 years	20–24 years	25–29 years	30–34 years	35+ years
White	3,500	11,000	S	6,500	7,000	D	D	D	19,500
Other	D	D	D	D	D	D	D	D	D
Computer/mathematical scientists	1,500	1,000	2,000	2,000	2,500	6,000	3,500	5,000	5,000
Hispanic or Latino	6,000	16,000	4,000	9,000	12,000	35,500	19,000	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	3,500	D	D	D	D	D	D	D	D
Asian	500	500	1,500	3,000	4,000	2,500	13,000	17,000	11,000
Black or African American	4,000	3,000	11,000	6,000	26,000	2,500	15,500	D	D
White	2,500	5,000	5,500	3,000	3,500	8,000	5,500	5,000	4,000
Other	7,500	11,500	20,000	2,500	D	D	D	D	D
Computer/information scientists	2,000	2,000	3,000	2,000	1,000	4,000	4,500	6,000	12,000
Hispanic or Latino	5,000	8,500	8,500	12,500	12,000	D	22,000	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	3,000	500	3,000	3,000	3,500	4,000	12,000	19,500	10,000
Black or African American	4,500	4,000	13,000	9,000	27,500	4,000	D	D	D
White	1,000	1,500	7,500	3,000	4,000	6,500	4,000	6,500	18,500
Other	9,000	16,500	20,000	2,500	D	D	D	D	D
Mathematical scientists	2,500	3,500	7,000	7,500	4,500	12,500	7,000	D	36,500
Hispanic or Latino	2,500	10,500	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	4,500	6,500	7,500	28,000	D	23,000	D	D	D
Black or African American	4,500	18,500	D	D	D	D	D	D	D
White	4,000	14,000	19,500	7,000	4,500	8,000	4,500	D	24,000
Other	D	D	D	D	D	D	D	D	D
Postsecondary teachers-computer/ mathematical sciences	3,500	10,500	6,000	6,000	9,000	6,000	9,000	S	7,500
Hispanic or Latino	7,500	4,500	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	2,000	500	D	D	D	D	D	D	D
Black or African American	7,500	S	D	D	D	D	D	D	D
White	4,500	7,000	3,500	6,500	8,500	6,500	8,000	S	8,000
Other	D	D	D	D	D	D	D	D	D
Physical/related scientists	2,000	1,500	3,000	6,000	5,000	9,000	17,500	11,000	21,000
Hispanic or Latino	9,500	1,500	2,500	D	14,500	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	8,500	1,500	3,000	2,000	5,000	D	D	D	12,500
Black or African American	5,000	S	5,000	D	D	D	D	D	D
White	3,500	2,000	7,000	10,500	8,000	9,500	21,500	8,500	21,000
Other	5,000	6,500	10,500	D	D	D	D	D	D
Chemists, except biochemists	4,500	2,500	8,000	21,000	3,000	13,500	24,500	12,000	22,500
Hispanic or Latino	10,500	11,000	4,500	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	8,000	S	4,000	5,000	500	D	D	D	D
Black or African American	18,500	1,500	3,500	D	D	D	D	D	D
White	5,500	11,500	13,000	16,000	26,000	D	D	19,000	48,000
Other	D	D	D	D	D	D	D	D	D

TABLE A-16. Standard error of median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, ethnicity, race, and years since highest degree: 2008

Level of highest degree, occupation, ethnicity, and race[a]	Employed scientists and engineers	Years since highest degree							
		<5 years	5–9 years	10–14 years	15–19 years	20–24 years	25–29 years	30–34 years	35+ years
Earth/atmospheric/ocean scientists	5,000	2,500	6,500	15,500	11,500	8,500	20,000	8,500	22,500
Hispanic or Latino	30,000	D	1,500	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	14,500	S	9,500	D	D	D	D	D	D
Black or African American	D	D	D	D	D	D	D	D	D
White	4,500	2,500	7,000	14,500	16,000	9,500	23,000	8,000	21,500
Other	D	D	D	D	D	D	D	D	D
Physicists/astronomers	21,500	2,000	S	D	D	D	D	D	D
Hispanic or Latino	8,000	4,000	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	D	D	D	D	D	D	D	D	D
Black or African American	1,500	500	D	D	D	D	D	D	D
White	7,000	3,000	32,000	D	D	D	D	D	D
Other	D	D	D	D	D	D	D	D	D
Postsecondary teachers-physical/ related sciences	7,500	1,000	S	D	D	22,000	D	S	D
Hispanic or Latino	3,500	3,500	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	D	1,000	D	D	D	D	D	D	D
Black or African American	1,500	1,000	D	D	D	D	D	D	D
White	S	1,000	S	D	D	22,000	D	S	D
Other	D	D	D	D	D	D	D	D	D
Other physical/related scientists	7,000	4,000	18,000	12,500	12,000	D	D	D	D
Hispanic or Latino	D	D	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	D	D	D	D	D	D	D	D	D
Black or African American	D	D	D	D	D	D	D	D	D
White	11,500	6,000	17,500	16,500	12,000	D	D	D	D
Other	D	D	D	D	D	D	D	D	D
Social/related scientists	2,500	2,000	1,500	7,500	11,000	4,000	7,000	9,000	12,500
Hispanic or Latino	5,500	2,000	3,000	D	4,500	8,000	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	9,000	6,000	14,500	4,500	35,500	D	D	D	D
Black or African American	4,000	6,000	8,500	D	D	D	D	D	D
White	1,500	4,500	1,500	9,000	13,000	8,500	7,500	9,000	13,000
Other	1,500	11,500	D	D	D	D	D	D	D
Economists	15,500	7,000	7,500	17,500	14,500	D	S	D	20,000
Hispanic or Latino	1,500	1,000	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	9,500	S	D	D	D	D	D	D	D
Black or African American	5,000	4,000	D	D	D	D	D	D	D
White	15,000	5,500	32,000	8,000	14,500	D	S	D	20,000
Other	D	D	D	D	D	D	D	D	D
Political/related scientists	11,500	3,500	D	D	D	D	D	D	D
Hispanic or Latino	3,000	3,000	D	D	D	D	D	D	D

TABLE A-16. Standard error of median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, ethnicity, race, and years since highest degree: 2008

Level of highest degree, occupation, ethnicity, and race[a]	Employed scientists and engineers	Years since highest degree							
		<5 years	5–9 years	10–14 years	15–19 years	20–24 years	25–29 years	30–34 years	35+ years
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	D	D	D	D	D	D	D	D	D
Black or African American	26,000	26,000	D	D	D	D	D	D	D
White	9,500	2,500	D	D	D	D	D	D	D
Other	D	D	D	D	D	D	D	D	D
Postsecondary teachers-social/ related sciences	7,000	1,000	S	S	11,500	11,000	9,000	D	S
Hispanic or Latino	17,500	4,000	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	2,500	2,000	D	D	D	D	D	D	D
Black or African American	S	S	D	D	D	D	D	D	D
White	10,000	3,000	S	S	S	21,500	15,000	D	S
Other	4,500	D	D	D	D	D	D	D	D
Psychologists	2,000	1,500	4,500	4,000	6,500	9,500	6,500	5,000	10,500
Hispanic or Latino	2,500	3,000	11,500	D	8,000	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	3,000	S	D	D	D	D	D	D	D
Black or African American	5,500	15,000	2,500	D	D	D	D	D	D
White	2,000	1,500	4,500	6,500	8,500	12,000	7,000	5,500	10,500
Other	S	D	D	D	D	D	D	D	D
Sociologists/anthropologists	9,000	6,500	2,000	D	D	D	D	D	D
Hispanic or Latino	3,000	3,000	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	D	D	D	D	D	D	D	D	D
Black or African American	S	S	D	D	D	D	D	D	D
White	16,000	4,500	D	D	D	D	D	D	D
Other	D	D	D	D	D	D	D	D	D
Other social/related scientists	6,500	4,000	7,000	5,000	5,000	D	18,500	12,000	14,000
Hispanic or Latino	19,000	3,500	9,500	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	14,000	4,500	15,500	D	D	D	D	D	D
Black or African American	S	2,500	D	D	D	D	D	D	D
White	12,000	6,500	3,500	10,000	6,000	D	24,000	11,000	9,500
Other	2,000	D	D	D	D	D	D	D	D
Engineering occupations	2,000	2,500	4,000	2,000	3,500	3,000	4,000	3,000	8,500
Hispanic or Latino	5,000	1,500	5,500	7,000	17,000	D	40,500	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	12,500	D	D	D	D	D	D	D	D
Asian	5,500	2,000	3,000	4,000	2,000	11,500	10,500	5,000	12,500
Black or African American	5,500	9,500	7,000	6,000	7,500	D	D	D	D
White	1,000	1,000	2,500	1,500	3,500	3,000	5,000	3,000	9,500
Other	9,500	1,000	2,000	12,500	D	D	D	D	D
Aerospace/aeronautical/astronautical engineers	4,500	5,000	3,000	5,000	6,000	8,500	19,500	12,000	17,000
Hispanic or Latino	27,000	6,000	D	D	D	D	D	D	D

TABLE A-16. Standard error of median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, ethnicity, race, and years since highest degree: 2008

Level of highest degree, occupation, ethnicity, and race[a]	Employed scientists and engineers	Years since highest degree							
		<5 years	5–9 years	10–14 years	15–19 years	20–24 years	25–29 years	30–34 years	35+ years
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	12,500	500	11,000	D	24,000	D	D	D	D
Black or African American	32,500	11,500	D	D	D	D	D	D	D
White	5,000	2,500	4,500	6,000	D	7,500	16,500	13,500	17,000
Other	10,500	D	D	D	D	D	D	D	D
Chemical engineers	5,000	8,000	11,000	6,500	11,500	23,000	18,000	9,500	10,500
Hispanic or Latino	S	2,500	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	4,500	1,500	D	D	D	D	D	22,500	D
Black or African American	D	D	D	D	D	D	D	D	D
White	7,500	3,000	12,500	13,000	11,000	22,500	11,500	D	15,500
Other	D	D	D	D	D	D	D	D	D
Civil/architectural/sanitary engineers	2,500	1,500	4,500	5,000	4,500	8,500	11,000	5,000	21,000
Hispanic or Latino	7,000	5,000	6,500	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	3,500	1,500	12,000	9,000	10,500	D	7,000	2,500	12,000
Black or African American	9,500	4,000	D	D	D	D	D	D	D
White	2,000	1,000	6,500	5,000	4,000	9,500	17,000	7,000	28,000
Other	13,000	9,000	D	D	D	D	D	D	D
Electrical/computer hardware engineers	1,000	500	1,000	3,000	4,500	4,000	4,500	4,500	8,000
Hispanic or Latino	5,000	5,000	19,500	8,000	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	2,500	1,000	2,500	6,000	10,000	10,500	8,000	12,000	D
Black or African American	5,000	4,000	10,500	7,000	D	D	D	D	D
White	2,500	4,000	5,500	5,000	4,000	9,500	5,500	5,500	10,500
Other	7,000	6,000	D	D	D	D	D	D	D
Industrial engineers	3,000	8,000	12,000	6,000	5,000	14,500	S	22,000	D
Hispanic or Latino	14,500	9,500	S	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	4,000	3,000	D	D	D	D	D	D	D
Black or African American	9,000	D	D	D	D	D	D	D	D
White	4,000	9,500	10,000	6,000	9,500	19,000	D	10,500	D
Other	D	D	D	D	D	D	D	D	D
Mechanical engineers	2,500	2,000	8,500	6,000	3,000	9,500	7,500	9,500	20,000
Hispanic or Latino	13,000	7,500	28,500	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	2,500	5,500	4,500	7,500	6,000	8,500	18,500	17,000	D
Black or African American	10,000	8,000	D	D	D	D	D	D	D
White	3,000	1,000	5,500	11,000	4,500	11,500	8,000	4,000	25,500
Other	15,500	6,000	1,500	D	D	D	D	D	D
Postsecondary teachers-engineering	3,500	1,000	12,000	D	D	2,500	D	D	D
Hispanic or Latino	5,000	1,000	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	2,500	2,500	D	D	D	D	D	D	D

TABLE A-16. Standard error of median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, ethnicity, race, and years since highest degree: 2008

Level of highest degree, occupation, ethnicity, and race[a]	Employed scientists and engineers	Years since highest degree							
		<5 years	5–9 years	10–14 years	15–19 years	20–24 years	25–29 years	30–34 years	35+ years
Black or African American	2,000	S	D	D	D	D	D	D	D
White	2,500	S	10,000	D	D	2,500	D	D	D
Other	D	D	D	D	D	D	D	D	D
Other engineers	3,500	4,500	5,000	7,000	7,000	4,000	6,500	8,500	25,000
Hispanic or Latino	10,500	3,500	2,500	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	4,000	5,000	3,500	13,500	9,000	7,500	D	D	D
Black or African American	4,000	2,000	6,000	D	D	D	D	D	D
White	17,500	8,000	9,500	8,500	7,000	3,500	13,000	11,000	26,000
Other	7,000	S	D	D	D	D	D	D	D
S&E-related occupations	2,000	500	3,500	2,000	2,500	2,000	3,500	5,500	4,000
Hispanic or Latino	2,500	4,500	9,000	6,500	8,000	25,500	18,500	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	11,000	D	D	D	D	D	D	D	D
Asian	2,000	6,500	6,000	11,000	10,000	16,500	6,500	12,500	7,000
Black or African American	1,500	3,500	2,500	9,000	6,500	11,000	4,000	9,000	S
White	1,500	2,000	2,500	3,500	2,500	2,000	4,000	4,500	4,000
Other	6,500	2,500	19,500	15,500	D	13,500	12,000	D	D
Health occupations	2,000	500	3,000	4,500	5,000	2,500	3,000	10,000	13,500
Hispanic or Latino	4,000	7,500	5,500	9,000	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	15,000	D	D	D	D	D	D	D	D
Asian	4,000	5,000	7,000	8,500	11,500	2,000	25,500	20,000	10,500
Black or African American	2,000	4,000	3,000	22,500	5,500	18,000	2,000	D	D
White	2,500	3,000	2,500	5,000	4,000	3,500	4,000	11,500	15,500
Other	5,500	7,000	D	9,500	D	D	D	D	D
S&E managers, including health	4,000	4,500	5,500	5,000	7,000	4,500	8,000	6,000	21,000
Hispanic or Latino	10,000	7,000	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	3,500	21,500	4,000	18,000	15,000	25,500	10,500	D	D
Black or African American	9,500	3,000	19,500	D	D	D	D	D	D
White	4,500	12,500	8,000	4,500	11,000	4,000	6,000	14,000	22,500
Other	9,500	D	D	D	D	D	D	D	D
S&E precollege teachers	3,000	1,500	1,500	1,000	2,000	2,500	5,500	4,500	17,500
Hispanic or Latino	9,000	19,000	D	D	10,000	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	2,500	3,000	D	8,500	D	D	D	D	D
Black or African American	5,000	4,500	8,500	11,500	D	D	D	D	S
White	3,500	1,500	1,500	1,500	2,500	3,500	4,500	7,000	18,000
Other	10,000	10,000	D	D	D	D	D	D	D
S&E technicians/technologists	4,500	5,000	7,500	2,500	2,000	13,500	1,500	15,500	12,000
Hispanic or Latino	15,500	13,500	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	2,000	12,000	7,500	10,000	1,500	12,500	38,000	24,500	D
Black or African American	8,500	3,000	D	D	D	D	D	D	D
White	6,000	1,500	11,000	9,500	8,000	S	3,500	16,000	14,500
Other	24,000	D	D	D	D	D	D	D	D

TABLE A-16. Standard error of median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, ethnicity, race, and years since highest degree: 2008

Level of highest degree, occupation, ethnicity, and race[a]	Employed scientists and engineers	Years since highest degree							
		<5 years	5–9 years	10–14 years	15–19 years	20–24 years	25–29 years	30–34 years	35+ years
Other S&E-related occupations	4,500	2,500	2,500	6,000	3,000	9,500	6,500	14,500	14,000
Hispanic or Latino	2,500	1,500	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	13,500	8,000	18,000	D	D	D	D	D	D
Black or African American	D	D	D	D	D	D	D	D	D
White	4,000	D	3,000	22,500	2,500	15,500	5,500	31,000	13,500
Other	D	D	D	D	D	D	D	D	D
Non-S&E occupations	1,500	1,000	2,000	3,000	3,500	2,500	1,500	4,500	7,000
Hispanic or Latino	2,500	2,500	6,000	9,000	12,500	4,500	11,000	6,000	10,000
Not Hispanic or Latino									
American Indian or Alaska Native	3,500	6,000	9,500	D	7,500	D	D	D	D
Asian	3,000	3,000	7,500	12,000	7,500	15,000	11,500	21,000	12,000
Black or African American	2,000	6,500	7,000	5,500	7,500	5,000	12,000	10,500	21,000
White	1,500	500	3,000	3,500	4,000	3,000	2,500	5,000	6,000
Other	6,500	5,500	4,500	S	13,000	22,000	D	D	23,500
Arts/humanities/related occupations	2,000	4,000	4,000	21,000	9,500	5,000	20,000	S	S
Hispanic or Latino	11,500	17,000	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	5,500	2,500	D	D	D	D	D	D	D
Black or African American	S	D	D	D	D	D	D	D	D
White	2,500	7,500	10,500	S	14,500	6,000	21,000	20,500	S
Other	2,500	S	D	D	D	D	D	D	D
Management-related occupations	1,500	6,000	6,500	2,000	9,500	5,500	8,500	11,000	9,000
Hispanic or Latino	12,500	25,500	16,000	21,500	12,500	29,500	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	S	D	D	D	D	D	D	D	D
Asian	4,000	6,000	8,000	9,000	3,500	15,000	D	18,500	20,000
Black or African American	5,500	6,500	4,000	6,500	D	D	D	26,000	D
White	3,000	9,000	9,500	7,500	11,500	6,500	8,500	13,000	10,500
Other	9,000	12,500	D	D	D	D	D	D	D
Non-S&E managers	3,000	9,500	5,000	4,500	9,500	12,000	10,500	7,500	10,000
Hispanic or Latino	5,500	14,000	10,000	7,000	D	D	D	43,500	D
Not Hispanic or Latino									
American Indian or Alaska Native	8,500	D	D	D	D	D	D	D	D
Asian	11,500	8,000	32,000	11,500	47,000	77,000	39,000	D	16,000
Black or African American	5,500	12,500	7,000	15,500	D	8,500	D	D	D
White	3,500	7,000	6,000	4,000	6,000	11,000	14,000	8,000	8,500
Other	38,000	34,500	D	18,500	D	D	D	D	D
Non-S&E postsecondary teachers	6,500	2,500	6,500	3,000	S	S	7,000	S	S
Hispanic or Latino	5,500	6,000	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	4,000	3,000	S	D	D	D	D	D	D
Black or African American	4,000	S	D	D	D	D	D	D	D
White	7,000	3,500	9,000	13,000	S	S	6,000	22,500	S
Other	D	D	D	D	D	D	D	D	D
Non-S&E precollege/other teachers	1,000	1,500	3,500	3,500	2,000	5,500	5,500	6,500	S
Hispanic or Latino	4,000	3,000	4,000	D	D	D	S	D	D

TABLE A-16. Standard error of median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, ethnicity, race, and years since highest degree: 2008

Level of highest degree, occupation, ethnicity, and race[a]	Employed scientists and engineers	Years since highest degree							
		<5 years	5–9 years	10–14 years	15–19 years	20–24 years	25–29 years	30–34 years	35+ years
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	3,000	2,500	2,500	S	S	D	D	D	D
Black or African American	3,000	6,500	7,000	D	S	3,000	D	D	D
White	1,000	1,500	5,000	3,500	3,500	3,500	6,000	6,000	S
Other	16,000	D	D	D	D	D	D	D	D
Sales/marketing occupations	5,000	15,000	8,000	8,500	22,500	9,500	14,000	10,500	12,500
Hispanic or Latino	4,500	12,500	12,000	25,500	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	8,000	20,000	36,500	44,000	S	3,000	S	D	17,500
Black or African American	S	46,000	D	D	D	D	D	D	D
White	5,000	27,500	5,000	9,500	18,500	14,000	13,500	13,000	10,500
Other	10,500	S	D	D	D	D	D	D	D
Social services/related occupations	1,500	2,000	1,500	2,000	3,500	2,500	3,000	4,500	17,000
Hispanic or Latino	4,500	2,500	6,500	3,500	3,500	D	6,500	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	2,500	4,500	D	D	D	D	D	D	D
Asian	4,500	2,500	4,000	9,000	5,000	D	D	D	D
Black or African American	3,500	3,000	3,500	3,500	7,500	9,500	7,500	D	D
White	2,000	1,000	2,000	3,000	4,500	2,500	5,000	4,000	18,500
Other	1,500	2,000	7,500	D	D	D	D	D	D
Other non-S&E occupations	2,000	1,500	3,500	5,500	5,500	5,500	3,500	10,500	10,500
Hispanic or Latino	7,000	6,500	S	7,000	9,500	S	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	7,000	D	D	D	D	D	D	D	D
Asian	8,500	8,000	26,000	10,000	10,000	9,500	8,000	14,000	S
Black or African American	4,500	6,000	13,500	3,000	S	D	D	D	D
White	2,500	2,000	4,000	7,000	5,000	6,500	4,000	8,000	8,500
Other	2,000	2,000	D	D	D	D	D	D	D
Doctoral degrees, all occupations	1,500	500	1,500	2,500	2,500	2,000	3,500	2,500	500
Hispanic or Latino	4,000	3,500	7,000	2,500	3,500	16,000	D	14,500	25,000
Not Hispanic or Latino									
American Indian or Alaska Native	7,500	13,500	10,000	27,000	18,500	14,000	D	D	D
Asian	3,000	1,500	3,500	3,000	6,000	4,500	9,500	9,000	6,000
Black or African American	2,500	9,000	3,000	5,000	13,500	10,000	5,500	16,000	3,500
White	1,000	1,500	1,500	1,500	3,500	2,500	3,500	4,000	500
Other	4,500	3,000	9,500	10,500	4,500	7,000	26,000	1,500	32,500
S&E occupations	1,000	500	500	1,500	2,000	1,000	2,000	2,000	3,500
Hispanic or Latino	4,500	2,500	5,500	2,500	7,500	5,500	5,500	4,500	26,500
Not Hispanic or Latino									
American Indian or Alaska Native	13,000	11,500	8,000	25,500	23,500	D	D	D	D
Asian	500	1,500	2,500	1,000	3,000	2,000	7,500	9,500	17,500
Black or African American	3,500	4,000	3,000	7,000	8,500	9,000	3,500	22,500	14,500
White	2,000	2,500	2,000	1,500	2,000	500	2,000	3,500	3,500
Other	5,500	9,000	4,000	5,000	10,500	6,000	20,500	2,000	16,000
Science occupations	2,000	2,000	1,500	1,000	1,000	2,500	1,500	500	2,500
Hispanic or Latino	2,500	3,000	3,500	5,500	5,500	5,000	8,000	4,000	S
Not Hispanic or Latino									
American Indian or Alaska Native	10,500	15,500	7,500	25,000	23,500	D	D	D	D
Asian	1,000	6,000	1,500	3,500	5,500	9,000	3,500	11,000	8,500

TABLE A-16. Standard error of median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, ethnicity, race, and years since highest degree: 2008

Level of highest degree, occupation, ethnicity, and race[a]	Employed scientists and engineers	Years since highest degree							
		<5 years	5–9 years	10–14 years	15–19 years	20–24 years	25–29 years	30–34 years	35+ years
Black or African American	1,000	4,500	4,000	6,500	11,000	9,000	14,000	22,500	14,500
White	1,500	2,500	1,500	2,500	2,500	2,000	1,000	1,000	3,500
Other	6,000	10,000	3,500	3,500	10,500	8,000	16,500	1,500	11,500
Biological/agricultural/other life scientists	2,000	3,000	2,000	2,500	2,500	4,000	4,500	2,500	4,000
Hispanic or Latino	3,000	4,000	6,000	4,000	13,000	6,000	13,000	39,000	26,000
Not Hispanic or Latino									
American Indian or Alaska Native	28,500	D	D	D	D	D	D	D	D
Asian	4,500	2,000	4,500	7,500	4,500	16,500	18,000	18,000	27,500
Black or African American	12,000	2,000	4,000	S	D	21,500	9,000	D	D
White	500	4,000	3,000	2,000	3,500	5,000	3,000	3,500	4,000
Other	10,000	2,500	10,000	12,500	3,500	30,500	8,500	D	D
Agricultural/food scientists	2,000	2,000	5,500	3,500	3,000	3,000	13,000	11,500	28,000
Hispanic or Latino	4,000	18,500	20,500	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	4,000	10,500	D	11,000	D	D	D	D	D
Black or African American	3,500	24,500	15,000	11,000	D	D	D	D	D
White	4,500	3,500	7,500	4,000	6,500	2,500	11,500	20,500	37,000
Other	13,000	D	D	D	D	D	D	D	D
Biological/medical scientists	4,000	500	1,000	4,000	1,000	4,500	6,500	8,500	10,500
Hispanic or Latino	6,500	4,000	14,000	2,500	35,500	24,500	D	S	20,500
Not Hispanic or Latino									
American Indian or Alaska Native	23,000	D	D	D	D	D	D	D	D
Asian	2,500	1,500	8,000	6,500	4,500	23,500	20,500	39,500	S
Black or African American	21,500	1,500	4,500	35,000	D	22,500	D	6,500	D
White	3,000	4,000	3,000	4,000	1,000	5,000	6,000	8,000	11,000
Other	18,500	500	9,500	6,000	11,000	D	D	D	D
Environmental life scientists	3,500	6,000	6,000	17,000	8,500	9,500	D	D	S
Hispanic or Latino	13,000	D	15,500	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	14,500	D	D	D	D	D	D	D	D
Black or African American	D	D	D	D	D	D	D	D	D
White	6,000	18,500	9,000	15,000	D	12,000	D	D	D
Other	D	D	D	D	D	D	D	D	D
Postsecondary teachers-life/ related sciences	500	2,500	4,000	3,500	5,500	9,000	5,000	5,000	6,500
Hispanic or Latino	5,000	10,000	2,500	5,500	5,000	D	D	S	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	6,500	5,000	1,500	8,000	17,000	D	D	21,500	S
Black or African American	2,000	4,500	3,000	6,000	D	12,500	D	D	D
White	2,500	1,500	5,500	4,500	2,500	3,500	4,500	6,500	5,000
Other	2,000	D	D	D	D	D	D	D	D
Computer/mathematical scientists	2,000	500	4,500	1,500	5,000	3,500	3,500	6,000	1,000
Hispanic or Latino	8,000	4,500	6,500	18,000	22,500	5,500	3,000	D	21,000
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	4,000	3,500	500	5,000	8,000	6,000	5,000	26,500	7,500
Black or African American	13,000	3,000	3,500	D	13,500	11,500	38,500	25,000	4,500

TABLE A-16. Standard error of median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, ethnicity, race, and years since highest degree: 2008

Level of highest degree, occupation, ethnicity, and race[a]	Employed scientists and engineers	Years since highest degree							
		<5 years	5–9 years	10–14 years	15–19 years	20–24 years	25–29 years	30–34 years	35+ years
White	2,500	7,500	7,000	2,000	6,500	4,500	6,500	10,500	1,000
Other	6,500	11,500	14,500	D	D	26,500	D	D	D
Computer/information scientists	2,500	2,000	3,500	5,000	2,000	3,500	10,500	26,000	7,500
Hispanic or Latino	8,000	17,000	D	14,500	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	6,000	5,500	8,500	5,500	4,000	24,000	17,500	25,500	S
Black or African American	17,000	6,500	16,000	D	D	D	D	D	D
White	5,000	7,500	17,500	7,000	9,000	4,000	18,000	28,000	6,500
Other	12,500	16,000	29,000	D	D	D	D	D	D
Mathematical scientists	1,500	5,500	7,500	12,500	3,000	11,000	36,000	19,000	14,500
Hispanic or Latino	4,000	15,000	4,500	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	2,000	4,500	13,500	6,500	33,000	38,000	D	D	D
Black or African American	3,500	D	5,500	D	D	D	D	D	D
White	5,500	3,000	6,000	7,500	7,500	12,000	18,500	19,000	16,000
Other	29,000	D	D	D	D	D	D	D	D
Postsecondary teachers-computer/ mathematical sciences	2,500	2,500	3,500	4,000	3,000	5,500	8,000	10,000	6,000
Hispanic or Latino	5,500	3,000	10,500	3,000	6,000	D	D	D	21,000
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	3,000	1,500	5,000	6,500	4,000	4,500	16,000	3,500	12,000
Black or African American	2,000	19,000	8,000	2,000	D	D	D	D	4,500
White	3,000	4,500	5,000	5,000	4,000	9,000	8,000	11,000	10,000
Other	14,500	3,500	D	D	D	D	D	D	D
Physical/related scientists	2,000	4,000	2,500	3,000	3,500	2,000	2,000	5,000	5,000
Hispanic or Latino	6,000	1,500	2,000	9,000	12,500	12,000	8,500	20,000	40,500
Not Hispanic or Latino									
American Indian or Alaska Native	26,500	D	D	D	D	D	D	D	D
Asian	2,500	6,500	7,000	2,500	2,500	7,000	17,000	13,500	2,000
Black or African American	8,500	5,000	7,500	9,000	D	10,000	18,500	16,500	D
White	500	3,000	3,500	3,000	5,000	2,000	8,000	6,000	6,000
Other	9,500	7,000	4,500	1,000	11,000	D	D	D	D
Chemists, except biochemists	500	2,000	2,000	3,500	6,500	4,500	7,000	6,000	7,500
Hispanic or Latino	4,000	16,000	7,500	17,000	15,500	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	4,500	18,000	1,500	3,000	5,500	18,000	14,000	9,500	19,000
Black or African American	16,000	8,500	5,000	D	D	D	D	D	D
White	4,000	3,500	3,000	8,000	4,000	5,000	6,500	6,000	10,500
Other	21,000	D	6,000	D	D	D	D	D	D
Earth/atmospheric/ocean scientists	2,000	3,000	5,500	7,000	11,000	8,500	16,000	10,000	29,000
Hispanic or Latino	5,000	18,500	5,000	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	5,000	7,500	15,500	12,000	9,500	500	D	D	D
Black or African American	D	D	D	D	D	D	D	D	D
White	6,000	1,500	6,000	6,000	9,500	6,000	13,500	14,000	22,000
Other	23,000	D	12,500	D	D	D	D	D	D

TABLE A-16. Standard error of median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, ethnicity, race, and years since highest degree: 2008

Level of highest degree, occupation, ethnicity, and race[a]	Employed scientists and engineers	Years since highest degree							
		<5 years	5–9 years	10–14 years	15–19 years	20–24 years	25–29 years	30–34 years	35+ years
Physicists/astronomers	2,500	4,000	6,000	7,500	7,000	4,500	20,000	15,000	23,500
Hispanic or Latino	17,500	7,000	D	9,000	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	9,000	4,500	13,000	D	15,500	4,500	S	D	D
Black or African American	S	D	D	D	D	D	D	D	D
White	4,000	12,500	6,000	6,000	7,000	5,500	20,000	14,000	11,500
Other	9,000	D	D	D	D	D	D	D	D
Postsecondary teachers-physical/ related sciences	3,000	1,000	3,500	2,000	5,500	3,000	8,500	6,500	5,500
Hispanic or Latino	10,000	1,000	5,500	5,500	7,000	8,000	28,000	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	6,000	7,000	3,500	2,000	18,500	15,000	17,000	13,000	13,500
Black or African American	5,000	2,500	2,500	3,000	D	D	D	20,000	D
White	2,000	2,000	3,500	2,500	5,000	3,500	10,500	6,000	5,000
Other	13,000	9,000	D	D	D	D	D	D	D
Other physical/related scientists	3,000	500	6,500	21,000	6,000	14,500	D	19,500	37,500
Hispanic or Latino	2,000	D	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	16,500	19,000	D	29,000	D	D	D	D	D
Black or African American	14,500	D	D	D	D	D	D	D	D
White	6,000	4,000	7,500	27,500	6,500	18,500	22,000	19,500	D
Other	D	D	D	D	D	D	D	D	D
Social/related scientists	2,000	1,500	3,500	3,000	2,000	3,000	6,500	4,000	7,000
Hispanic or Latino	3,000	4,000	2,500	6,500	7,500	14,500	20,000	31,000	D
Not Hispanic or Latino									
American Indian or Alaska Native	8,500	D	1,000	10,000	D	D	D	D	D
Asian	7,500	6,000	5,000	9,000	44,000	3,500	11,000	9,000	D
Black or African American	2,500	6,000	5,000	2,000	4,000	10,000	15,500	16,500	S
White	500	2,500	4,000	1,000	4,500	3,500	7,000	5,000	6,000
Other	500	4,000	5,500	D	18,000	8,000	S	12,000	22,500
Economists	5,000	3,500	14,000	12,000	13,500	10,000	8,000	23,500	23,000
Hispanic or Latino	8,000	1,500	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	19,500	D	20,000	28,500	38,500	D	D	D	D
Black or African American	11,500	8,000	D	D	D	D	D	D	D
White	6,500	5,000	16,500	12,000	17,500	12,000	6,500	21,500	23,500
Other	19,000	D	D	D	D	D	D	D	D
Political/related scientists	8,500	D	8,500	2,500	14,500	D	D	D	D
Hispanic or Latino	D	D	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	16,500	D	D	D	D	D	D	D	D
Black or African American	D	D	D	D	D	D	D	D	D
White	9,500	D	14,000	D	25,000	D	D	D	D
Other	D	D	D	D	D	D	D	D	D

TABLE A-16. Standard error of median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, ethnicity, race, and years since highest degree: 2008

Level of highest degree, occupation, ethnicity, and race[a]	Employed scientists and engineers	Years since highest degree							
		<5 years	5–9 years	10–14 years	15–19 years	20–24 years	25–29 years	30–34 years	35+ years
Postsecondary teachers-social/ related sciences	500	2,000	500	2,500	2,500	3,000	6,000	2,500	3,500
Hispanic or Latino	2,500	2,500	1,500	5,500	8,500	21,500	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	1,500	D	D	D	D	D	D	D	D
Asian	6,500	8,500	1,000	5,000	46,000	13,500	2,500	12,000	D
Black or African American	3,500	4,000	6,500	7,000	5,000	10,500	14,500	3,000	D
White	500	1,500	2,000	2,000	2,500	3,000	7,500	3,000	3,000
Other	6,500	7,000	4,500	D	D	D	D	16,500	D
Psychologists	1,000	6,000	4,000	3,500	2,000	4,500	6,500	10,000	14,500
Hispanic or Latino	6,500	7,000	9,000	7,500	11,000	24,500	30,500	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	16,500	D	D	D	D	D	D	D	D
Asian	14,000	D	7,000	18,500	12,500	S	D	D	D
Black or African American	2,500	19,500	2,500	11,500	9,000	20,500	29,500	12,500	D
White	1,000	5,000	5,000	4,500	2,500	4,000	4,500	9,500	9,000
Other	14,500	4,000	12,500	13,500	D	D	D	D	D
Sociologists/anthropologists	7,500	17,500	6,000	6,000	27,500	6,500	14,000	34,000	S
Hispanic or Latino	13,000	D	10,500	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	13,000	S	D	D	D	D	D	D	D
Black or African American	S	6,000	D	D	D	D	D	D	D
White	9,500	9,500	7,000	9,000	8,500	7,000	24,000	32,000	S
Other	4,500	12,000	D	D	D	D	D	D	D
Other social/related scientists	3,000	5,000	11,500	5,000	4,000	5,500	14,000	16,000	S
Hispanic or Latino	500	13,000	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	18,500	D	17,500	S	54,500	D	D	D	D
Black or African American	11,000	11,000	9,000	D	D	D	D	D	D
White	5,500	12,500	12,500	10,500	5,500	5,000	17,500	18,500	S
Other	15,000	D	D	D	D	D	D	D	D
Engineering occupations	1,500	3,000	500	4,500	4,000	1,500	6,000	2,500	4,000
Hispanic or Latino	1,500	3,000	1,000	5,000	21,500	6,000	7,000	18,000	D
Not Hispanic or Latino									
American Indian or Alaska Native	15,000	D	D	D	D	D	D	D	D
Asian	2,500	1,000	2,500	9,000	3,500	2,000	5,500	7,000	6,500
Black or African American	6,500	9,000	9,500	4,500	9,500	D	D	10,000	D
White	3,000	2,000	2,500	6,500	2,000	3,500	5,000	5,500	2,000
Other	6,500	D	11,000	21,000	23,000	7,000	D	D	D
Aerospace/aeronautical/astronautical engineers	6,500	1,000	5,500	6,000	8,500	3,000	5,000	5,000	D
Hispanic or Latino	6,500	D	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	9,000	D	D	17,500	5,000	2,500	D	D	D
Black or African American	D	D	D	D	D	D	D	D	D
White	6,500	4,500	5,500	7,500	15,500	6,500	6,000	4,500	D
Other	D	D	D	D	D	D	D	D	D
Chemical engineers	3,000	4,500	3,000	6,000	7,000	3,000	18,500	15,500	29,000
Hispanic or Latino	13,000	12,500	D	D	D	D	D	D	D

TABLE A-16. Standard error of median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, ethnicity, race, and years since highest degree: 2008

Level of highest degree, occupation, ethnicity, and race[a]	Employed scientists and engineers	Years since highest degree							
		<5 years	5–9 years	10–14 years	15–19 years	20–24 years	25–29 years	30–34 years	35+ years
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	7,500	2,500	4,500	29,500	5,500	3,500	D	D	D
Black or African American	2,500	7,000	D	D	D	D	D	D	D
White	4,500	5,500	7,500	6,000	7,000	13,000	22,000	12,500	29,000
Other	D	D	D	D	D	D	D	D	D
Civil/architectural/sanitary engineers	6,000	4,500	5,500	16,500	8,500	8,500	13,500	5,000	7,000
Hispanic or Latino	10,000	13,500	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	4,000	7,000	5,500	S	D	D	D	D	D
Black or African American	D	D	D	D	D	D	D	D	D
White	8,000	6,000	8,000	22,500	9,000	16,500	12,000	D	5,000
Other	D	D	D	D	D	D	D	D	D
Electrical/computer hardware engineers	3,500	500	7,000	4,000	10,500	4,000	22,500	5,000	12,500
Hispanic or Latino	9,000	4,000	7,000	D	8,500	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	1,000	4,000	8,500	5,000	9,000	8,500	12,500	13,000	43,500
Black or African American	4,000	3,000	D	D	D	D	D	D	D
White	5,500	5,500	3,000	13,500	11,000	5,500	44,500	8,000	13,500
Other	9,000	D	D	D	D	D	D	D	D
Industrial engineers	14,500	11,000	4,500	D	D	D	33,000	30,500	D
Hispanic or Latino	3,000	D	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	21,000	D	D	D	D	D	D	D	D
Black or African American	3,000	D	D	D	D	D	D	D	D
White	16,000	D	6,500	D	D	D	33,000	D	D
Other	D	D	D	D	D	D	D	D	D
Mechanical engineers	500	3,000	2,500	5,000	5,000	2,000	14,000	19,500	14,500
Hispanic or Latino	7,500	D	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	5,500	3,500	4,000	6,000	8,500	8,500	11,000	D	D
Black or African American	15,000	D	D	D	D	D	D	D	D
White	6,500	11,500	3,500	2,000	13,500	4,500	27,000	23,000	21,000
Other	D	D	D	D	D	D	D	D	D
Postsecondary teachers-engineering	3,000	5,000	3,000	3,500	1,500	4,500	15,000	6,500	6,500
Hispanic or Latino	2,500	15,000	D	D	1,000	6,500	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	5,000	5,500	4,500	10,000	10,000	2,500	7,000	9,500	24,000
Black or African American	6,000	D	19,000	3,500	12,000	D	D	12,500	D
White	3,000	4,000	3,500	2,000	3,500	6,000	13,500	4,500	6,000
Other	15,000	D	D	D	D	D	D	D	D
Other engineers	500	500	3,500	9,000	2,500	1,000	7,500	11,000	6,000
Hispanic or Latino	17,500	19,000	14,500	1,500	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	3,000	4,500	4,000	10,500	10,500	11,500	11,000	S	13,500

TABLE A-16. Standard error of median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, ethnicity, race, and years since highest degree: 2008

Level of highest degree, occupation, ethnicity, and race[a]	Employed scientists and engineers	Years since highest degree							
		<5 years	5–9 years	10–14 years	15–19 years	20–24 years	25–29 years	30–34 years	35+ years
Black or African American	9,500	19,000	9,500	D	D	D	D	D	D
White	2,000	2,500	2,500	5,000	2,000	3,000	6,500	11,500	10,000
Other	21,000	3,500	D	D	D	D	D	D	D
S&E-related occupations	2,500	2,500	2,000	8,000	5,000	8,500	14,500	16,000	12,000
Hispanic or Latino	17,500	1,000	S	18,000	41,500	45,000	D	9,500	D
Not Hispanic or Latino									
American Indian or Alaska Native	8,000	D	D	D	D	D	D	D	D
Asian	3,500	12,000	6,500	9,500	9,000	32,000	33,000	S	11,500
Black or African American	8,500	13,000	10,000	14,500	25,500	5,000	10,500	S	52,500
White	2,500	3,500	2,500	6,500	6,000	7,000	17,500	7,500	11,000
Other	18,500	27,000	24,000	11,000	31,500	18,000	23,000	D	D
Health occupations	2,500	5,000	4,000	5,500	9,000	11,500	32,000	19,500	9,500
Hispanic or Latino	20,500	2,500	D	7,000	39,000	7,500	D	11,000	D
Not Hispanic or Latino									
American Indian or Alaska Native	8,500	D	D	D	D	D	D	D	D
Asian	12,000	13,500	7,000	35,500	29,500	D	D	D	18,500
Black or African American	9,000	9,500	10,000	32,000	23,000	4,500	14,000	S	S
White	4,000	5,500	4,000	10,000	6,500	10,500	41,000	15,000	12,500
Other	21,500	14,500	18,500	9,000	8,000	D	D	D	D
S&E managers, including health	4,000	19,500	3,500	4,500	6,000	6,000	3,500	13,000	23,500
Hispanic or Latino	11,000	9,000	20,000	18,000	16,000	42,500	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	6,500	9,500	11,000	8,000	6,500	17,500	19,500	43,500	22,000
Black or African American	12,000	8,500	20,000	12,500	20,000	7,500	D	D	D
White	1,000	47,000	4,000	4,500	8,500	5,500	10,000	15,000	25,500
Other	18,500	D	D	6,000	D	D	D	D	D
S&E precollege teachers	8,500	5,500	18,000	7,000	6,000	D	5,500	11,500	1,000
Hispanic or Latino	8,500	D	11,000	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	14,500	D	D	D	D	D	D	D	D
Black or African American	7,000	1,500	D	D	D	D	D	D	D
White	9,500	D	24,000	11,500	6,500	D	4,500	11,500	1,000
Other	D	D	D	D	D	D	D	D	D
S&E technicians/technologists	7,500	13,000	7,500	10,000	37,500	30,000	18,000	S	22,000
Hispanic or Latino	S	D	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	9,000	7,500	9,500	20,500	24,500	D	D	D	D
Black or African American	D	D	D	D	D	D	D	D	D
White	19,500	D	D	D	8,000	30,500	18,000	S	D
Other	D	D	D	D	D	D	D	D	D
Other S&E-related occupations	12,000	D	D	9,500	D	D	D	D	D
Hispanic or Latino	D	D	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	19,500	D	D	D	D	D	D	D	D
Black or African American	D	D	D	D	D	D	D	D	D
White	8,500	D	D	D	D	D	D	D	D
Other	D	D	D	D	D	D	D	D	D

TABLE A-16. Standard error of median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, ethnicity, race, and years since highest degree: 2008

Level of highest degree, occupation, ethnicity, and race[a]	Employed scientists and engineers	Years since highest degree							
		<5 years	5–9 years	10–14 years	15–19 years	20–24 years	25–29 years	30–34 years	35+ years
Non-S&E occupations	3,500	3,500	7,500	4,000	7,500	9,000	11,000	5,000	7,000
Hispanic or Latino	11,000	19,500	12,000	6,000	34,000	37,000	D	3,500	13,000
Not Hispanic or Latino									
American Indian or Alaska Native	12,500	D	7,000	D	D	D	D	D	D
Asian	10,000	7,000	12,000	17,000	3,500	14,000	15,500	30,000	4,000
Black or African American	9,500	65,500	3,000	2,000	S	22,500	12,500	S	2,000
White	3,000	5,500	9,500	5,000	12,000	11,000	13,000	9,500	9,000
Other	11,500	2,500	3,500	5,000	45,000	14,500	58,000	S	10,000
Arts/humanities/related occupations	8,000	13,500	5,000	21,000	34,500	S	46,000	24,500	24,500
Hispanic or Latino	12,500	D	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	S	D	D	D	D	D	D	D	D
Black or African American	11,500	D	D	D	D	D	D	D	D
White	11,500	2,000	5,000	27,000	31,500	S	26,500	20,000	S
Other	D	D	D	D	D	D	D	D	D
Management-related occupations	4,500	29,500	D	25,000	34,000	4,000	3,500	2,500	33,000
Hispanic or Latino	7,500	11,000	S	30,000	33,000	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	12,000	2,000	11,500	44,500	28,000	26,000	7,000	23,500	D
Black or African American	2,000	D	12,000	9,000	D	10,500	D	28,500	D
White	6,000	9,500	D	21,000	24,500	3,500	10,500	6,500	33,000
Other	13,000	21,500	D	S	D	D	D	D	D
Non-S&E managers	6,500	17,500	7,500	11,500	5,000	9,000	14,000	6,000	17,000
Hispanic or Latino	9,000	5,000	11,500	30,500	41,000	33,000	5,500	34,500	15,000
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	6,000	36,000	5,500	14,500	20,000	15,500	36,000	42,000	43,500
Black or African American	15,000	2,000	14,500	10,500	14,000	36,000	52,500	28,500	29,500
White	4,500	37,000	13,500	16,000	4,000	4,500	16,500	4,500	17,500
Other	37,500	D	35,500	D	14,000	D	32,500	D	D
Non-S&E postsecondary teachers	2,000	4,500	5,000	5,500	3,500	5,000	12,000	11,500	16,500
Hispanic or Latino	3,500	D	13,500	10,000	6,500	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	5,500	22,000	26,000	6,000	7,000	D	25,500	D	D
Black or African American	3,500	7,500	6,500	5,500	500	5,500	D	2,500	D
White	4,000	2,500	6,000	7,000	3,500	6,500	14,000	8,000	25,000
Other	D	D	D	D	D	D	D	D	D
Non-S&E precollege/other teachers	9,500	8,500	19,500	15,500	1,000	2,000	9,500	D	D
Hispanic or Latino	7,500	D	D	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	D	D	D	D	D	D	D	D	D
Black or African American	2,500	D	D	D	D	D	D	D	D
White	12,500	500	12,000	8,000	3,000	12,000	9,500	D	D
Other	S	D	D	D	D	D	D	D	D
Sales/marketing occupations	10,000	13,000	22,000	18,000	S	S	3,500	56,500	S
Hispanic or Latino	15,000	D	D	D	2,000	D	D	D	D

TABLE A-16. Standard error of median annual salaries of employed U.S. scientists and engineers, by level of highest degree, occupation, ethnicity, race, and years since highest degree: 2008

Level of highest degree, occupation, ethnicity, and race[a]	Employed scientists and engineers	Years since highest degree							
		<5 years	5–9 years	10–14 years	15–19 years	20–24 years	25–29 years	30–34 years	35+ years
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	26,000	15,500	18,500	5,500	25,500	D	D	D	D
Black or African American	15,500	D	D	D	D	D	D	D	D
White	12,000	12,500	17,000	42,000	S	8,500	4,000	53,500	S
Other	23,000	D	D	D	D	D	D	D	D
Social services/related occupations	11,000	8,500	18,500	10,000	2,000	13,500	D	S	2,000
Hispanic or Latino	5,000	1,000	14,000	D	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	5,500	D	D	D	D	D	D	D	D
Black or African American	16,000	3,500	500	500	D	D	D	D	D
White	13,000	12,500	5,000	6,000	2,000	18,000	D	S	3,000
Other	20,500	D	D	D	D	D	D	D	D
Other non-S&E occupations	5,500	24,500	10,500	27,500	7,500	S	7,000	S	15,000
Hispanic or Latino	S	500	11,500	3,000	D	D	D	D	D
Not Hispanic or Latino									
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D
Asian	6,500	2,500	29,000	12,000	D	D	D	D	D
Black or African American	2,500	10,500	9,000	10,500	D	D	D	D	D
White	15,000	1,000	10,500	S	27,500	S	11,500	D	11,000
Other	S	D	D	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] "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/occ03maj.html for detailed description of occupational 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.

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