

Appendix table 3-1
Science and technology employment, by occupation: Selected years, 1950–2000
 (Thousands)

Occupation	1950	1960	1970	1980	1990	2000
All workers, age 18+ years	56,985	64,145	76,443	96,442	115,085	128,435
All science and technology employees.....	205	1,046	1,894	2,587	4,133	5,455
S&E.....	182	865	1,497	2,080	3,333	4,755
Life scientists.....	7	31	55	102	139	226
Physical scientists.....	24	99	141	162	232	382
Engineers.....	140	688	1,052	1,309	1,817	1,919
Mathematicians/information technologists	4	18	157	317	784	1,881
Social scientists	7	29	92	190	360	347
Technicians and programmers.....	22	181	397	507	800	700

SOURCE: B.L. Lowell, Estimates of the Growth of the Science and Technology Workforce, Commission on Professionals in Science and Technology (forthcoming).

Science and Engineering Indicators 2006

Appendix table 3-2

**Average annual growth rate of degree production and occupational employment, by S&E field:
1980–2000**

(Percent)

Field	Degree				Employment in occupation
	All	Bachelor's	Master's	Doctoral	
All S&E	1.5	1.4	2.0	1.9	4.2
Engineering	0.8	0.1	2.4	3.9	1.9
Life sciences	1.2	1.3	3.4	1.8	4.0
Mathematics/computer sciences	4.2	3.9	5.2	3.5	9.3
Physical sciences	-1.0	-1.6	-0.3	1.4	4.4
Social sciences	1.6	1.7	1.6	0.9	3.1

SOURCES: U.S. Census Bureau, Public-Use Microdata Sample (PUMS), special tabulations (1980–2000); and National Science Foundation, Division of Science Resources Statistics, data on degree production.

Science and Engineering Indicators 2006

Appendix table 3-3
Workforce in S&E occupations: 1983–2004

Year	Employees	Share of workforce (%)
1983.....	2,925,000	2.6
1984.....	3,010,000	2.7
1985.....	3,128,000	2.7
1986.....	3,328,000	2.8
1987.....	3,355,000	2.8
1988.....	3,499,000	2.9
1989.....	3,593,000	2.9
1990.....	3,750,000	3.0
1991.....	3,924,000	3.1
1992.....	3,768,000	3.0
1993.....	3,963,000	3.1
1994.....	4,379,000	3.3
1995.....	4,384,000	3.3
1996.....	4,557,000	3.4
1997.....	4,775,000	3.5
1998.....	5,074,000	3.7
1999.....	5,294,000	3.8
2000.....	5,544,000	3.9
2001.....	5,581,000	3.9
2002.....	5,412,000	3.8
2003.....	5,888,000	4.0
2004.....	5,789,000	3.9

SOURCE: U.S. Census Bureau, Current Population Survey, Monthly Outgoing Rotation files, 1983–2004, special tabulations.

Appendix table 3-4
Bureau of Labor Statistics projections of employment in S&E occupations: 2002 and 2012
 (Thousands)

Occupation	2002	2012	Employment growth	Job openings
All occupations	144,014	165,319	21,305	56,305
S&E	4,873	6,119	1,246	2,078
Computer and mathematical science occupations	2,504	3,480	976	1,266
Engineers	1,478	1,587	109	431
Life scientists	214	253	39	91
Physical scientists	251	287	36	100
Social scientists and related occupations.....	426	512	86	190
Selected other occupations				
Life, physical, and social science technicians.....	346	397	51	130
Postsecondary teachers.....	1,581	2,184	603	960
Science managers.....	541	669	128	230

NOTE: Numbers used by Bureau of Labor Statistics (BLS) for 2002 are starting values for their projection models and may differ from other BLS estimates for 2002.

SOURCE: U.S. Department of Labor, BLS, Office of Occupational Statistics and Employment Projections.

Science and Engineering Indicators 2006

Median annual salaries of U.S. individuals in S&E and S&E-related occupations, by highest degree, occupation, and years since degree: 2003

(Dollars)

Degree and occupation	Employed individuals	Years since highest degree							
		<5	5-9	10-14	15-19	20-24	25-29	30-34	35+
All degree levels^a									
S&E occupations.....	69,500	52,000	65,000	72,000	78,000	80,000	76,800	80,000	82,000
Scientists	65,000	50,000	64,000	70,000	75,000	75,000	72,000	75,000	80,000
Computer and mathematical scientists.....	70,000	59,000	70,000	73,000	80,000	80,000	72,100	76,000	80,000
Computer and information scientists.....	70,000	60,000	70,000	74,000	80,000	80,000	72,000	78,600	80,000
Mathematical scientists	73,000	60,000	59,900	75,000	85,000	82,000	100,000	90,000	75,000
Postsecondary teachers	51,200	43,400	45,000	52,000	58,000	61,600	62,100	50,000	78,000
Life and related scientists.....	52,000	38,000	50,000	60,000	60,300	65,000	67,000	72,000	80,000
Agricultural and food scientists	48,000	42,000	39,000	56,000	54,000	62,000	54,000	50,000	50,000
Biological scientists.....	50,000	36,000	52,000	60,000	64,000	71,600	63,600	62,000	80,000
Environmental life scientists.....	48,000	32,000	42,000	53,000	53,000	46,100	66,200	63,000	61,000
Postsecondary teachers	60,000	42,000	51,500	65,000	70,000	70,000	80,000	100,000	98,000
Physical and related scientists.....	60,000	42,300	55,000	66,000	71,000	67,000	77,000	66,000	78,000
Chemists, except biochemists	60,000	45,000	58,200	65,000	75,000	70,000	70,000	66,000	70,000
Earth scientists, geologists, and oceanographers.....	63,500	41,600	57,300	70,200	67,000	65,000	87,000	70,000	90,000
Physicists and astronomers.....	80,000	45,000	65,000	86,000	90,000	95,000	127,000	100,000	100,000
Other	48,000	41,000	45,000	52,000	70,000	45,700	68,000	55,000	74,000
Postsecondary teachers	54,500	38,000	50,000	57,000	63,000	71,000	70,000	75,000	78,000
Social and related scientists.....	57,000	43,000	51,000	61,000	70,000	65,000	75,000	80,000	80,000
Economists	88,500	70,000	100,000	89,000	90,000	61,800	90,000	90,000	100,000
Political scientists.....	43,000	40,100	43,000	75,000	95,000	9,500	80,000	S	S
Psychologists.....	54,000	41,200	50,000	60,000	64,400	63,500	63,000	65,000	69,200
Sociologists and anthropologists	50,000	36,000	45,000	50,000	61,000	80,000	75,000	78,200	S
Other	55,800	41,000	51,000	63,000	80,000	72,000	84,000	95,000	85,000
Postsecondary teachers	56,000	44,200	48,000	57,400	65,000	68,500	72,000	73,400	85,000
Engineers	74,000	59,500	70,000	77,000	80,000	85,000	83,600	85,000	85,000
Aerospace and related.....	82,400	64,000	80,000	88,000	80,000	91,000	95,000	100,000	100,000
Chemical.....	78,000	61,000	70,000	90,000	80,000	94,000	97,700	110,000	100,000
Civil and architectural.....	68,000	49,500	62,000	70,000	70,000	80,000	80,000	82,000	80,000
Electrical and related.....	80,000	65,000	78,000	82,000	88,000	89,000	85,600	89,500	90,000
Industrial.....	65,000	55,000	62,000	67,000	70,000	89,000	63,000	74,000	85,000
Mechanical	72,000	60,000	67,000	77,000	80,000	82,000	85,000	80,000	80,000
Other.....	72,000	55,000	69,000	71,000	80,000	80,000	82,000	79,400	83,000
Postsecondary teachers	72,000	57,500	65,000	76,000	80,000	90,000	88,000	90,000	69,000
S&E-related occupations	57,000	45,000	55,000	60,000	65,000	67,000	65,000	63,000	72,800
Health-related occupations.....	60,000	47,000	58,000	60,000	70,000	69,000	68,000	72,000	80,000
S&E managers.....	92,000	78,000	83,000	96,000	95,000	92,000	100,000	108,000	100,000
S&E precollege teachers.....	42,000	38,000	41,000	41,500	46,000	45,000	50,000	50,000	40,000
S&E technicians and technologists	57,000	41,600	58,000	60,000	60,000	60,000	62,000	60,000	71,400
Other	60,000	42,200	52,000	60,000	69,000	85,000	76,500	68,000	70,000

Median annual salaries of U.S. individuals in S&E and S&E-related occupations, by highest degree, occupation, and years since degree: 2003

(Dollars)

Degree and occupation	Employed individuals	Years since highest degree							
		<5	5-9	10-14	15-19	20-24	25-29	30-34	35+
Bachelor's									
S&E occupations	65,000	48,000	62,000	69,100	75,000	77,300	72,000	75,000	80,000
Scientists	62,000	45,000	60,000	66,500	75,000	70,000	67,000	70,000	72,400
Computer and mathematical scientists.....	68,000	52,000	65,000	70,000	79,000	76,800	70,000	75,000	79,100
Computer and information scientists.....	68,700	52,000	65,000	70,000	78,100	77,400	70,000	76,000	80,000
Mathematical scientists	60,000	47,100	42,000	55,000	87,000	71,900	100,000	75,000	S
Postsecondary teachers.....	38,000	38,000	35,000	S	S	41,000	42,000	S	S
Life and related scientists	42,000	30,000	40,000	48,000	46,000	52,000	56,000	53,000	50,000
Agricultural and food scientists	45,500	38,000	36,800	50,000	48,000	42,000	55,000	35,000	50,000
Biological scientists	40,000	29,000	44,000	48,000	46,000	58,000	51,000	49,500	70,000
Environmental life scientists.....	50,000	31,500	40,000	53,000	50,000	51,000	66,200	63,000	S
Postsecondary teachers	38,700	21,000	40,000	38,000	38,700	47,000	56,000	54,200	S
Physical and related scientists	47,000	38,000	45,600	52,000	65,000	55,000	58,700	55,000	60,000
Chemists, except biochemists.....	50,000	40,000	50,000	50,000	72,000	52,000	52,000	62,500	65,000
Earth scientists, geologists, and oceanographers	54,000	35,500	50,000	56,000	55,000	60,000	77,500	47,000	65,700
Physicists and astronomers	50,000	25,000	S	S	S	S	S	S	S
Other	40,000	40,000	40,000	52,000	65,000	44,500	68,000	S	S
Postsecondary teachers.....	25,000	19,000	S	S	S	S	S	S	S
Social and related scientists.....	45,000	36,000	46,000	58,000	69,800	52,000	73,800	49,000	78,600
Economists	60,000	42,000	60,000	63,500	S	S	93,000	S	S
Political scientists	40,100	40,100	S	S	S	S	S	S	S
Psychologists	30,500	30,000	S	S	S	S	S	S	S
Sociologists and anthropologists	32,000	30,000	S	S	S	S	S	S	S
Other	50,000	38,500	50,000	58,000	70,000	72,000	84,000	39,000	78,600
Postsecondary teachers.....	35,800	35,800	S	S	S	S	S	S	S
Engineers.....	70,000	53,000	65,000	71,200	76,900	83,600	80,000	80,000	84,000
Aerospace and related	81,000	55,000	72,000	80,000	83,000	90,000	87,000	98,000	100,000
Chemical.....	72,000	57,000	65,000	89,700	77,000	91,200	100,000	112,000	96,000
Civil and architectural	65,000	46,800	60,000	70,000	69,000	75,000	80,000	82,100	84,000
Electrical and related	75,000	60,000	74,000	75,000	85,000	87,000	80,000	84,000	87,000
Industrial.....	62,000	52,000	60,000	63,300	70,000	94,000	62,500	65,000	85,000
Mechanical	70,000	54,200	63,000	74,000	76,900	85,000	85,000	79,400	77,000
Other	70,000	48,000	62,400	68,000	75,000	80,000	80,000	74,700	82,000
Postsecondary teachers	38,000	31,000	S	S	S	S	S	S	S
S&E-related occupations	50,000	40,000	48,000	50,000	55,000	57,000	56,000	53,000	55,000
Health-related occupations	49,900	43,000	48,000	50,000	50,000	55,000	53,000	50,000	52,000
S&E managers	87,000	65,000	69,000	85,000	93,000	88,000	90,000	107,000	98,000
S&E precollege teachers	38,000	33,000	35,000	39,000	42,000	40,000	45,000	49,000	36,000
S&E technicians and technologists.....	55,000	38,600	55,000	60,000	60,000	60,000	60,000	59,000	67,000
Other	60,000	43,500	51,000	53,000	67,000	92,000	76,000	55,000	70,000

Median annual salaries of U.S. individuals in S&E and S&E-related occupations, by highest degree, occupation, and years since degree: 2003

(Dollars)

Degree and occupation	Employed individuals	Years since highest degree							
		<5	5-9	10-14	15-19	20-24	25-29	30-34	35+
Master's									
S&E occupations	72,100	60,000	75,000	78,000	83,000	80,000	80,000	80,000	80,000
Scientists	69,000	56,000	73,000	74,000	79,000	75,000	75,000	67,800	71,600
Computer and mathematical scientists.....	77,000	66,000	80,000	80,000	85,000	85,000	80,000	80,000	84,000
Computer and information scientists.....	80,000	68,000	82,800	82,000	88,000	86,500	81,000	80,000	97,000
Mathematical scientists	72,000	60,000	72,000	82,000	76,500	80,000	70,000	108,000	S
Postsecondary teachers	45,000	40,000	40,000	43,000	54,100	55,000	66,000	40,000	43,000
Life and related scientists	50,000	41,000	51,500	55,000	54,000	54,500	51,000	50,000	70,000
Agricultural and food scientists	47,000	43,000	39,000	56,000	54,000	59,500	37,000	S	S
Biological scientists	54,000	42,000	56,000	58,000	60,000	70,000	80,600	48,000	70,000
Environmental life scientists.....	42,100	38,000	42,000	S	48,000	24,000	S	S	S
Postsecondary teachers	46,800	40,000	51,500	53,000	55,000	44,000	50,000	59,800	39,300
Physical and related scientists	65,500	46,000	60,000	66,300	85,000	84,000	84,000	65,000	84,900
Chemists, except biochemists.....	66,000	57,000	65,000	66,000	90,000	85,000	89,000	66,000	S
Earth scientists, geologists, and oceanographers	75,000	46,000	60,000	75,000	91,000	82,000	84,000	99,000	S
Physicists and astronomers	65,000	32,000	54,000	S	S	95,000	S	S	S
Other	65,000	51,000	73,000	66,300	70,000	S	60,000	S	S
Postsecondary teachers	45,000	30,600	S	45,000	S	S	52,000	42,600	S
Social and related scientists.....	53,000	41,200	50,000	57,000	70,000	60,000	68,000	80,000	71,000
Economists	89,000	70,000	150,000	89,000	98,000	266,000	83,400	60,000	S
Political scientists	40,000	43,000	S	S	S	S	S	S	S
Psychologists	48,000	40,000	47,900	50,600	60,000	55,000	60,000	60,000	58,000
Sociologists and anthropologists	50,000	40,000	S	S	43,500	S	S	S	S
Other	65,000	48,500	58,000	75,000	100,000	70,000	85,000	140,000	S
Postsecondary teachers	43,800	24,000	37,500	44,000	45,000	52,000	65,000	55,000	50,000
Engineers.....	80,000	68,000	78,000	85,000	89,000	86,000	90,000	90,000	88,000
Aerospace and related	82,400	69,500	88,000	94,000	70,000	98,000	95,000	104,000	120,000
Chemical.....	82,000	70,000	75,000	89,400	86,500	105,000	89,000	91,500	S
Civil and architectural	72,000	55,000	66,500	80,000	85,000	82,000	80,000	77,000	75,000
Electrical and related	86,000	75,000	82,000	95,000	100,000	89,000	94,000	105,000	96,000
Industrial.....	72,000	62,000	78,000	76,000	82,000	80,000	73,000	74,000	S
Mechanical	78,000	70,000	78,000	82,000	87,000	66,000	86,000	89,500	90,000
Other	80,000	65,000	75,000	80,000	90,000	83,500	90,000	87,000	93,400
Postsecondary teachers	65,000	50,000	S	S	54,000	S	S	S	S
S&E-related occupations	56,000	50,000	60,000	63,000	60,000	62,000	65,000	60,000	65,000
Health-related occupations.....	56,500	53,000	61,000	61,900	63,700	55,000	65,000	50,000	55,000
S&E managers	95,000	86,100	89,600	98,500	93,500	105,000	120,000	100,000	186,000
S&E precollege teachers	48,000	40,000	48,000	49,000	50,000	52,800	56,000	55,000	51,000
S&E technicians and technologists	63,000	57,000	65,000	72,000	63,000	65,000	70,000	61,500	S
Other.....	62,000	41,000	56,500	71,100	69,000	80,000	106,000	120,000	62,000

Median annual salaries of U.S. individuals in S&E and S&E-related occupations, by highest degree, occupation, and years since degree: 2003

(Dollars)

Degree and occupation	Employed individuals	Years since highest degree							
		<5	5-9	10-14	15-19	20-24	25-29	30-34	35+
Doctoral									
S&E occupations	75,000	53,000	70,000	78,000	82,000	87,000	91,000	95,000	100,000
Scientists	71,400	50,000	65,600	73,500	80,000	84,500	88,000	90,000	98,000
Computer and mathematical scientists.....	79,000	65,000	80,000	80,000	80,000	90,000	90,000	80,000	104,000
Computer and information scientists.....	87,000	75,000	90,000	96,000	90,000	100,000	96,000	93,800	145,000
Mathematical scientists	88,000	72,000	88,500	90,000	105,000	95,000	108,300	105,000	158,000
Postsecondary teachers	62,000	49,000	60,000	60,000	64,500	83,000	81,000	70,000	100,300
Life and related scientists	67,900	42,700	60,000	73,000	80,000	84,200	90,000	96,000	98,000
Agricultural and food scientists	72,000	50,000	68,000	70,000	83,500	90,000	90,000	74,000	93,000
Biological scientists	67,000	40,000	65,700	80,000	84,000	95,000	103,000	108,000	93,400
Environmental life scientists.....	63,000	22,600	64,000	57,000	83,000	S	S	S	S
Postsecondary teachers	67,000	51,500	55,000	67,000	75,000	78,400	82,000	90,000	100,000
Physical and related scientists	79,000	55,600	73,000	81,500	85,000	90,000	96,000	95,000	95,000
Chemists, except biochemists.....	85,000	70,000	84,000	93,000	96,000	100,000	100,000	96,000	90,200
Earth scientists, geologists, and oceanographers	80,000	60,000	74,000	75,000	82,000	100,000	110,000	111,000	100,000
Physicists and astronomers	90,000	51,300	83,000	90,000	100,000	104,000	107,000	121,700	120,000
Other	80,000	63,000	80,000	74,000	90,000	100,000	120,000	S	S
Postsecondary teachers.....	63,500	49,000	54,000	62,500	64,000	73,000	78,000	85,000	90,000
Social and related scientists.....	67,300	51,400	60,000	68,000	75,000	80,000	84,000	87,100	100,000
Economists	105,000	84,000	103,000	103,000	128,000	130,000	130,000	125,000	S
Political scientists	75,000	72,000	75,000	S	S	S	S	S	S
Psychologists	70,100	55,000	67,000	72,000	80,000	85,000	87,300	89,000	97,000
Sociologists and anthropologists	64,000	62,400	62,000	72,000	68,000	85,000	90,000	S	S
Other	70,000	60,000	68,000	70,000	77,300	82,000	120,000	97,000	S
Postsecondary teachers.....	61,000	48,000	53,000	61,000	66,300	71,000	75,000	85,000	97,000
Engineers.....	90,000	73,200	85,000	95,000	100,000	100,000	105,000	112,000	106,500
Aerospace and related	95,500	85,000	88,000	100,000	98,000	100,000	110,000	119,500	136,500
Chemical	90,000	78,000	86,500	100,300	100,000	112,500	100,000	114,000	100,000
Civil and architectural	78,000	60,000	78,000	88,000	90,000	75,000	104,000	101,500	S
Electrical and related	102,000	85,000	102,000	110,000	126,400	112,000	106,000	120,000	110,000
Industrial.....	72,800	45,000	100,000	80,000	75,000	S	S	S	S
Mechanical	90,000	75,000	86,400	95,000	103,000	100,000	110,000	120,000	117,900
Other	85,000	75,000	83,000	95,000	89,600	100,000	110,000	124,000	90,000
Postsecondary teachers.....	81,000	64,000	68,000	81,000	87,000	100,000	95,200	100,000	100,000
S&E-related occupations	85,000	50,000	70,000	90,000	113,000	90,000	110,000	120,000	140,000
Health-related occupations.....	72,500	50,000	77,000	80,000	98,800	120,000	125,000	120,000	140,000
S&E managers	120,000	82,000	105,000	117,000	120,000	130,000	130,000	130,000	150,000
S&E precollege teachers	52,000	60,000	55,000	50,000	48,000	42,000	54,000	59,000	S
S&E technicians and technologists	62,300	36,000	75,000	70,000	50,000	64,000	59,000	85,000	100,000
Other.....	90,000	87,400	S	S	S	S	S	S	S

S = suppressed for reasons of confidentiality and/or data reliability

*Includes professional degrees.

NOTES: Includes only full-time employed with salary > 0. Very large or very small values may reflect very small sample sizes and should be interpreted with caution.

SOURCE: National Science Foundation, Division of Science Resources Statistics, Scientists and Engineers Statistical Data System (SESTAT), preliminary estimates (2003), <http://sestat.nsf.gov>.

Employed individuals with S&E or S&E-related highest degrees whose jobs are closely or somewhat related to field of highest degree, by degree level and years since degree: 2003

(Percent)

Degree and field	Employed individuals	Years since highest degree							
		1-5	6-10	11-15	16-20	21-25	26-30	31-35	36+
All degree levels^a									
S&E fields.....	76.4	79.3	78.9	77.7	77.5	77.0	71.5	69.2	67.7
Science.....	72.5	76.3	75.0	74.4	73.7	72.6	67.1	64.0	62.8
Computer and mathematical sciences.....	86.9	88.5	89.1	89.5	87.7	90.4	78.9	78.0	65.5
Computer and information sciences.....	90.4	88.5	91.4	91.0	91.9	94.3	81.2	79.8	100.0
Mathematics and statistics.....	80.0	88.9	81.3	85.4	77.0	85.0	77.9	77.5	64.1
Biological, agricultural, and environmental life sciences.....	73.8	79.2	75.8	76.2	72.0	74.1	67.9	65.9	65.8
Agricultural and food sciences.....	75.5	81.2	72.5	67.4	78.6	77.0	75.3	73.9	68.9
Biological sciences.....	73.5	78.2	76.7	78.8	71.1	73.3	66.0	64.0	66.5
Environmental life sciences.....	72.7	83.9	72.5	70.7	67.0	73.8	67.1	64.0	43.0
Physical and related sciences.....	77.7	84.7	84.8	81.7	77.5	76.3	70.1	61.9	78.3
Chemistry, except biochemistry.....	79.8	86.2	86.7	82.4	84.4	80.1	75.3	63.7	70.3
Earth, atmospheric, and ocean sciences.....	74.2	87.2	85.3	81.2	73.7	66.7	60.2	50.4	82.3
Physics and astronomy.....	80.2	82.3	84.5	82.3	72.3	86.2	78.9	67.2	88.9
Other.....	67.1	70.1	75.9	72.6	51.0	68.4	45.0	47.1	84.7
Social and related sciences.....	65.4	68.8	66.7	65.5	64.6	66.2	63.4	60.5	55.7
Economics.....	69.3	74.0	64.2	69.3	60.2	76.3	77.4	69.1	61.2
Political and related sciences.....	53.7	55.3	51.1	52.4	63.7	53.9	54.5	52.9	37.9
Psychology.....	71.0	72.9	77.4	71.0	69.0	66.7	64.7	67.1	68.0
Sociology and anthropology.....	65.1	66.4	64.6	77.1	66.4	66.4	57.0	60.2	54.8
Other.....	60.8	72.1	60.0	52.4	56.8	65.3	65.9	46.6	53.0
Engineering.....	88.3	92.2	91.4	86.9	87.4	89.6	88.6	85.0	77.1
Aerospace, aeronautical, and astronautical.....	85.4	87.7	82.5	74.0	96.6	86.5	87.3	92.7	83.0
Chemical.....	86.2	85.4	90.4	81.9	78.6	91.8	94.8	82.7	79.1
Civil and architectural.....	91.7	94.9	93.4	91.8	90.0	88.1	93.6	96.0	83.6
Electrical and computer.....	89.8	93.3	94.2	87.5	88.1	91.5	84.9	85.0	84.5
Industrial.....	83.0	90.0	93.3	70.1	83.4	83.5	90.1	82.1	65.1
Mechanical.....	88.3	93.1	88.6	91.4	91.8	92.4	88.5	75.2	77.0
Other.....	84.6	91.0	88.0	86.6	80.3	85.7	84.3	90.9	62.9
S&E-related fields.....	90.4	94.5	91.4	90.3	89.5	91.2	86.2	85.1	86.6
Health.....	92.5	95.1	92.4	93.8	91.6	93.1	88.4	88.8	90.5
Science and mathematics teacher education.....	80.6	93.7	88.5	86.4	78.5	78.1	71.5	70.1	67.0
Technology and technical fields.....	84.8	90.1	88.9	76.7	85.0	87.7	86.9	84.2	72.7
Other.....	85.0	89.5	86.1	80.9	81.2	85.6	84.3	83.8	98.4
Bachelor's									
S&E fields.....	71.9	73.7	74.1	72.4	73.9	74.5	67.7	65.5	63.4
Science.....	67.1	70.3	69.2	67.7	68.6	69.0	62.4	59.6	57.4
Computer and mathematical sciences.....	84.6	85.3	86.3	87.1	85.7	91.7	77.5	75.9	63.8
Computer and information sciences.....	88.5	85.3	89.0	89.1	90.7	94.2	81.2	82.7	S
Mathematics and statistics.....	77.0	85.2	77.2	82.0	73.3	87.5	76.0	74.9	62.3

Employed individuals with S&E or S&E-related highest degrees whose jobs are closely or somewhat related to field of highest degree, by degree level and years since degree: 2003

(Percent)

Degree and field	Employed individuals	Years since highest degree							
		1-5	6-10	11-15	16-20	21-25	26-30	31-35	36+
Biological, agricultural, and environmental life sciences	68.4	74.4	71.1	68.2	65.9	70.6	63.4	59.5	58.3
Agricultural and food sciences	72.1	76.4	69.4	56.8	76.9	74.3	73.9	72.8	64.9
Biological sciences	67.0	73.0	71.0	71.7	63.1	67.3	60.2	55.3	57.1
Environmental life sciences.....	71.1	80.7	74.7	63.4	65.3	79.5	63.4	55.3	42.5
Physical and related sciences	72.0	79.8	81.3	74.0	71.2	72.8	62.8	52.5	74.7
Chemistry, except biochemistry.....	76.6	82.9	81.7	77.6	84.6	81.3	74.2	57.2	62.7
Earth, atmospheric, and ocean sciences.....	65.2	82.5	83.7	69.4	60.4	54.3	47.9	44.6	97.5
Physics and astronomy	72.3	73.8	82.7	73.9	60.2	87.9	68.3	40.1	87.6
Other	65.0	56.4	74.4	S	44.7	66.8	S	S	82.4
Social and related sciences.....	59.4	62.2	60.2	58.7	57.3	61.6	58.7	57.5	50.9
Economics	66.9	72.2	58.5	66.8	58.9	76.9	75.9	66.8	56.1
Political and related sciences	49.5	49.4	50.5	46.0	60.0	49.5	52.4	48.0	31.2
Psychology	61.3	63.2	67.1	58.0	54.2	57.9	57.2	64.1	63.8
Sociology and anthropology	62.7	63.5	62.6	75.8	61.7	65.0	54.6	58.6	51.5
Other	54.3	66.2	53.4	46.1	48.0	55.1	60.1	45.0	50.6
Engineering.....	86.9	90.6	90.3	84.9	87.0	89.2	88.5	84.1	74.5
Aerospace, aeronautical, and astronautical.....	83.9	80.4	78.4	74.4	95.9	85.1	100.0	90.3	79.6
Chemical.....	85.3	83.2	91.1	75.2	78.6	90.7	95.7	87.2	76.2
Civil and architectural	91.7	92.8	92.4	90.4	91.3	90.1	95.2	96.7	83.8
Electrical and computer	87.9	92.4	92.5	85.4	86.6	91.4	81.1	82.7	83.1
Industrial.....	78.9	85.7	91.8	63.3	82.5	81.3	88.1	79.1	61.7
Mechanical	88.1	92.8	88.6	92.5	92.4	91.7	88.6	75.6	75.1
Other	80.9	88.8	87.3	80.4	76.5	83.9	85.5	88.5	56.4
S&E-related fields	86.4	90.3	87.7	86.3	86.3	87.7	82.0	82.7	82.5
Health	88.6	91.6	88.4	90.8	88.6	89.4	83.0	85.1	83.9
Science and mathematics teacher education.....	77.0	84.1	84.7	82.6	69.7	74.8	72.2	73.5	75.8
Technology and technical fields.....	84.0	87.2	86.6	75.8	85.7	88.2	87.6	82.6	73.3
Other.....	81.9	76.4	85.2	76.2	80.4	82.0	80.9	88.6	97.5
Master's									
S&E fields.....	86.7	91.3	89.8	90.0	86.6	81.7	79.6	75.3	81.1
Science.....	84.7	90.0	88.2	88.9	85.8	78.4	76.7	71.0	75.9
Computer and mathematical sciences.....	92.4	94.8	95.4	94.5	95.4	86.2	81.2	82.5	66.2
Computer and information sciences.....	94.3	95.0	96.1	94.7	96.0	94.1	81.1	76.7	S
Mathematics and statistics	86.9	93.6	92.0	93.5	93.3	77.3	81.2	87.7	64.8
Biological, agricultural, and environmental life sciences	83.2	87.8	82.0	87.1	83.4	78.1	78.2	77.8	87.8
Agricultural and food sciences	87.2	94.2	70.9	91.2	89.9	96.3	75.7	S	S
Biological sciences	84.0	84.6	89.7	84.6	84.6	82.9	78.9	75.8	87.7
Environmental life sciences.....	75.2	95.4	64.3	95.2	68.2	S	77.9	S	S
Physical and related sciences	85.1	90.5	93.6	91.1	88.6	80.8	79.5	69.5	78.3
Chemistry, except biochemistry.....	81.2	92.7	98.1	88.0	76.4	66.1	61.9	65.2	91.7

Employed individuals with S&E or S&E-related highest degrees whose jobs are closely or somewhat related to field of highest degree, by degree level and years since degree: 2003

(Percent)

Degree and field	Employed individuals	Years since highest degree							
		1-5	6-10	11-15	16-20	21-25	26-30	31-35	36+
Earth, atmospheric, and ocean sciences.....	87.5	92.3	88.2	93.0	95.5	90.9	84.6	47.9	S
Physics and astronomy.....	88.6	88.1	90.1	90.1	87.6	79.8	89.9	90.3	92.1
Other.....	75.8	83.1	S	S	S	S	S	S	S
Social and related sciences.....	80.8	87.8	84.3	84.5	80.6	75.2	74.3	64.6	72.7
Economics.....	76.3	79.2	85.3	86.9	57.1	64.1	78.2	72.0	81.1
Political and related sciences.....	69.2	80.4	46.4	78.6	74.7	71.5	59.4	75.3	62.5
Psychology.....	85.5	92.1	96.0	87.8	83.9	76.6	74.2	64.5	69.2
Sociology and anthropology.....	78.2	81.1	73.4	87.3	89.8	71.7	70.0	72.4	S
Other.....	79.0	85.0	78.4	74.4	82.8	82.6	84.1	45.6	S
Engineering.....	91.7	94.7	94.1	92.8	88.4	90.8	88.6	86.1	89.8
Aerospace, aeronautical, and astronautical.....	88.8	96.4	95.2	69.4	100.0	100.0	62.8	100.0	100.0
Chemical.....	88.7	96.6	91.4	97.8	75.1	94.3	94.2	53.7	100.0
Civil and architectural.....	91.6	99.4	96.7	97.4	82.7	80.2	89.8	93.2	85.4
Electrical and computer.....	94.1	94.0	98.2	93.2	92.2	92.4	97.2	89.7	87.5
Industrial.....	95.5	95.0	96.3	100.0	86.2	100.0	95.8	100.0	100.0
Mechanical.....	88.5	93.2	88.3	85.7	88.6	95.6	86.8	69.7	97.2
Other.....	90.0	92.8	88.2	95.3	87.3	89.4	81.8	98.0	87.2
S&E-related fields.....	91.3	96.7	93.5	91.4	88.1	93.8	83.4	68.4	71.9
Health.....	93.0	96.5	94.1	92.5	89.5	96.0	86.3	66.2	100.0
Science and mathematics teacher education.....	84.3	96.8	91.4	89.7	87.5	81.4	68.8	61.6	38.1
Technology and technical fields.....	90.0	96.2	98.2	81.3	79.8	96.7	78.2	100.0	66.9
Other.....	91.7	98.9	88.2	93.8	84.1	94.5	93.0	72.8	100.0
Doctoral									
S&E fields.....	91.8	95.5	92.2	92.5	90.7	91.1	89.5	87.8	89.4
Science.....	91.9	95.6	92.3	93.1	90.6	91.1	89.6	86.8	90.1
Computer and mathematical sciences.....	93.1	97.9	90.1	94.7	93.2	94.7	90.3	83.8	89.4
Computer and information sciences.....	97.3	98.8	95.8	96.2	97.3	100.0	S	S	S
Mathematics and statistics.....	90.9	97.3	84.9	93.3	90.7	93.0	90.2	82.4	89.4
Biological, agricultural, and environmental life sciences.....	92.6	96.5	92.7	94.5	89.5	92.2	89.9	88.6	87.6
Agricultural and food sciences.....	88.8	97.8	89.4	91.3	75.7	93.0	92.8	87.3	81.3
Biological sciences.....	93.0	96.4	92.7	95.0	91.6	92.0	89.3	89.0	88.5
Environmental life sciences.....	93.7	95.5	100.0	91.5	93.9	93.3	92.5	80.0	S
Physical and related sciences.....	87.5	92.6	88.5	88.1	89.7	84.9	85.4	79.4	88.8
Chemistry, except biochemistry.....	88.2	92.4	91.1	88.7	88.4	84.8	87.2	81.9	87.4
Earth, atmospheric, and ocean sciences.....	90.5	96.9	88.1	86.0	91.7	85.0	90.6	97.7	90.6
Physics and astronomy.....	86.8	90.3	85.1	88.5	90.1	87.1	80.2	84.0	88.9
Other.....	71.1	100.0	93.2	84.6	100.0	55.2	S	S	S
Social and related sciences.....	94.1	95.7	95.7	94.8	91.8	93.2	91.9	94.0	95.0
Economics.....	95.4	92.8	96.6	95.2	96.0	97.2	93.0	97.1	100.0
Political and related sciences.....	90.5	91.8	92.3	90.6	85.4	93.0	87.4	91.1	87.2

Employed individuals with S&E or S&E-related highest degrees whose jobs are closely or somewhat related to field of highest degree, by degree level and years since degree: 2003

(Percent)

Degree and field	Employed individuals	Years since highest degree							
		1-5	6-10	11-15	16-20	21-25	26-30	31-35	36+
Psychology	95.3	96.8	97.5	97.3	91.2	94.5	93.2	95.6	96.7
Sociology and anthropology	92.0	97.2	93.0	89.9	90.2	85.5	95.3	89.8	88.4
Other	93.1	96.1	93.6	91.1	99.1	93.4	83.2	89.7	95.0
Engineering	91.7	94.8	91.8	90.3	91.7	91.4	89.2	92.2	86.4
Aerospace, aeronautical, and astronautical.....	92.4	97.5	96.1	81.0	92.4	100.0	82.7	92.7	87.5
Chemical.....	87.9	86.2	84.2	82.2	86.3	98.5	89.3	96.4	85.5
Civil and architectural	92.5	93.8	94.3	89.5	100.0	96.2	88.4	100.0	60.2
Electrical and computer	93.9	96.6	94.5	93.4	94.7	86.3	92.8	91.1	97.3
Industrial.....	96.0	98.1	96.2	100.0	98.5	S	S	83.4	S
Mechanical	92.4	96.2	89.9	93.5	92.4	86.8	91.7	95.9	86.9
Other	89.9	94.5	90.1	89.7	87.8	91.1	84.9	88.3	85.6
S&E-related fields	94.4	94.2	96.6	93.3	94.0	91.1	96.2	94.0	100.0
Health	93.1	92.3	96.3	92.1	95.1	86.4	94.2	92.3	100.0
Science and mathematics teacher education.....	99.0	100.0	100.0	S	S	S	S	S	S
Technology and technical fields.....	93.4	S	90.3	S	S	S	S	S	S
Other.....	98.4	S	S	S	S	S	S	S	S

S = suppressed for reasons of confidentiality and/or data reliability

*Includes professional degrees.

SOURCE: National Science Foundation, Division of Science Resources Statistics, Scientists and Engineers Statistical Data System (SESTAT), preliminary estimates (2003), <http://sestat.nsf.gov>.

Science and Engineering Indicators 2006

Employed individuals with S&E or S&E-related highest degrees whose jobs are closely related to field of highest degree, by degree level and years since degree: 2003

(Percent)

Degree and field	Employed individuals	Years since highest degree							
		1-5	6-10	11-15	16-20	21-25	26-30	31-35	36+
All degree levels^a									
S&E fields.....	46.5	52.0	50.9	46.7	49.0	45.7	38.1	36.7	35.4
Science.....	43.2	49.2	47.3	44.5	46.5	41.1	33.8	31.6	29.9
Computer and mathematical sciences.....	60.0	65.2	65.8	62.7	61.4	60.6	42.1	38.7	34.1
Computer and information sciences.....	67.9	65.7	70.8	67.4	69.1	70.3	61.8	52.8	S
Mathematics and statistics.....	44.1	63.0	48.6	49.8	41.4	47.2	33.5	35.1	32.3
Biological, agricultural, and environmental life sciences.....	48.4	56.2	50.4	52.2	45.5	47.6	40.8	39.8	38.3
Agricultural and food sciences.....	49.6	55.4	42.2	46.6	54.9	48.5	53.5	53.7	30.7
Biological sciences.....	48.7	58.0	52.6	52.6	45.0	47.1	36.7	36.9	41.4
Environmental life sciences.....	43.8	44.7	41.7	58.1	32.3	48.4	44.6	33.0	37.1
Physical and related sciences.....	47.8	59.5	54.1	52.2	48.3	43.0	39.7	31.8	45.9
Chemistry, except biochemistry.....	51.3	61.2	60.9	53.4	58.4	53.7	40.9	28.8	41.0
Earth, atmospheric, and ocean sciences.....	47.2	60.3	55.9	59.4	46.0	34.3	35.1	40.8	41.9
Physics and astronomy.....	44.0	58.7	43.2	44.8	31.4	39.6	46.7	30.8	60.4
Other.....	38.1	45.4	45.7	34.5	24.3	32.4	28.4	40.9	S
Social and related sciences.....	33.4	38.3	36.8	32.5	37.1	32.2	27.7	26.7	20.0
Economics.....	30.7	39.0	33.5	23.5	26.0	36.5	32.0	24.7	24.1
Political and related sciences.....	22.0	26.9	20.5	20.5	32.7	23.5	13.6	20.1	6.7
Psychology.....	42.8	45.2	45.9	45.8	47.4	38.4	36.2	34.2	29.2
Sociology and anthropology.....	29.9	32.3	35.5	32.2	35.4	22.3	23.4	26.8	22.5
Other.....	31.3	38.1	37.9	27.7	34.3	32.1	24.5	23.0	14.1
Engineering.....	56.9	63.6	62.2	52.7	55.5	59.0	54.5	52.2	46.1
Aerospace, aeronautical, and astronautical.....	56.9	63.0	57.8	38.8	55.8	63.6	65.8	48.9	71.5
Chemical.....	46.0	49.9	43.3	46.0	47.5	41.8	42.7	62.4	36.1
Civil and architectural.....	68.2	74.7	76.1	71.0	60.4	61.5	63.9	69.0	66.2
Electrical and computer.....	60.7	68.1	68.0	52.2	57.8	67.4	59.1	54.7	44.7
Industrial.....	43.4	56.3	38.5	31.0	48.9	48.9	54.2	20.0	28.3
Mechanical.....	52.1	56.2	51.2	56.7	59.7	55.4	45.6	40.5	41.4
Other.....	53.4	61.4	63.6	46.4	44.1	58.1	54.0	51.7	37.6
S&E-related fields.....	78.1	84.5	80.4	76.7	76.7	78.1	72.3	71.7	73.4
Health.....	83.2	86.4	83.7	82.6	81.7	83.3	80.0	80.5	83.1
Science and mathematics teacher education.....	64.8	84.6	79.9	72.9	63.3	62.8	49.8	51.7	35.8
Technology and technical fields.....	52.8	68.3	58.4	50.7	52.5	52.5	40.3	47.5	30.6
Other.....	65.5	67.1	68.9	61.6	66.4	62.3	59.3	66.2	84.2
Bachelor's									
S&E fields.....	40.2	43.8	43.9	39.7	44.6	40.7	32.7	31.7	30.4
Science.....	35.7	40.5	39.2	35.8	41.2	34.6	27.3	26.1	23.7
Computer and mathematical sciences.....	56.2	58.9	61.8	60.7	59.2	58.3	40.0	32.2	30.0
Computer and information sciences.....	65.6	59.8	67.7	67.1	68.5	69.2	65.4	41.7	S
Mathematics and statistics.....	38.0	54.5	42.3	44.2	36.1	40.5	29.7	30.8	28.0

Employed individuals with S&E or S&E-related highest degrees whose jobs are closely related to field of highest degree, by degree level and years since degree: 2003

(Percent)

Degree and field	Employed individuals	Years since highest degree							
		1-5	6-10	11-15	16-20	21-25	26-30	31-35	36+
Biological, agricultural, and environmental life sciences	42.3	50.9	44.0	41.9	38.6	44.0	35.3	34.1	33.1
Agricultural and food sciences	46.1	54.8	34.3	34.9	49.9	46.9	53.2	52.1	25.4
Biological sciences	41.5	51.9	45.7	42.3	36.7	41.7	29.0	28.9	36.4
Environmental life sciences.....	40.9	40.3	41.8	49.0	31.4	49.2	40.5	25.0	37.2
Physical and related sciences	41.2	50.6	46.6	47.4	44.1	37.8	31.8	25.9	38.3
Chemistry, except biochemistry.....	47.0	52.4	52.9	50.3	60.6	55.1	37.2	21.4	35.2
Earth, atmospheric, and ocean sciences.....	38.2	49.5	51.6	54.6	36.2	27.3	20.7	39.1	34.2
Physics and astronomy	32.1	50.6	30.9	34.9	17.8	24.8	41.9	15.8	52.5
Other	35.2	37.0	42.2	S	S	27.9	S	S	S
Social and related sciences.....	24.8	28.5	27.6	22.6	29.1	23.4	20.4	22.0	14.5
Economics	27.0	34.6	31.2	20.2	23.8	34.6	25.9	20.4	17.0
Political and related sciences.....	17.7	21.5	16.7	14.4	30.0	19.3	11.4	16.9	S
Psychology	27.2	29.2	28.3	28.1	29.7	22.5	25.3	25.4	20.6
Sociology and anthropology	26.1	28.0	30.7	28.0	32.6	18.1	20.4	25.2	20.6
Other	25.3	32.1	35.5	20.8	32.3	21.8	13.7	19.8	S
Engineering.....	54.1	60.0	59.6	50.2	53.0	57.0	53.9	49.2	43.0
Aerospace, aeronautical, and astronautical.....	52.0	47.0	53.7	34.6	49.5	61.0	73.8	33.8	72.3
Chemical.....	44.4	46.3	43.3	45.4	46.7	39.1	44.0	64.5	28.6
Civil and architectural	66.6	73.8	75.7	70.4	58.9	58.7	60.9	67.0	66.2
Electrical and computer	56.7	64.8	63.9	48.0	53.4	67.7	55.2	50.8	41.0
Industrial.....	39.0	49.3	33.6	26.6	47.9	43.7	54.4	S	29.6
Mechanical	51.1	54.4	48.5	55.8	60.4	55.4	45.5	41.0	40.0
Other	49.2	57.3	63.7	43.5	36.8	52.4	61.4	45.5	30.7
S&E-related fields	69.9	77.4	73.7	69.1	68.5	70.2	64.0	63.8	60.0
Health	75.7	79.9	77.3	76.0	73.4	76.5	72.3	71.3	69.6
Science and mathematics teacher education.....	57.0	81.1	73.0	67.6	56.8	56.4	47.0	52.6	35.6
Technology and technical fields.....	51.4	64.2	57.4	46.5	54.1	54.2	39.3	48.4	28.8
Other.....	61.7	49.9	65.7	59.7	64.3	52.9	57.7	70.7	88.3
Master's									
S&E fields.....	60.9	69.3	66.6	61.4	59.1	58.3	49.5	45.6	48.6
Science.....	59.5	69.4	65.5	62.3	57.3	55.4	47.2	39.7	41.2
Computer and mathematical sciences.....	68.9	76.8	74.5	67.5	69.9	64.5	44.9	54.9	45.1
Computer and information sciences.....	73.5	77.6	77.3	69.1	72.2	72.4	54.7	63.0	S
Mathematics and statistics	56.1	71.9	61.6	61.7	61.1	55.7	38.7	47.7	42.7
Biological, agricultural, and environmental life sciences	57.3	64.4	56.5	67.0	55.3	52.1	54.6	46.6	38.1
Agricultural and food sciences	59.9	49.9	49.5	75.1	84.5	60.1	46.0	S	S
Biological sciences	58.3	69.3	64.5	60.5	53.3	53.4	56.1	44.2	31.4
Environmental life sciences.....	49.5	58.1	35.6	90.6	28.6	S	56.9	S	S
Physical and related sciences	57.1	75.2	70.8	56.1	51.1	52.3	54.9	32.9	50.4
Chemistry, except biochemistry.....	60.4	85.6	80.7	60.6	45.6	57.8	46.1	33.2	49.5
Earth, atmospheric, and ocean sciences.....	57.1	71.5	60.4	59.5	57.1	42.2	63.9	40.0	S

Employed individuals with S&E or S&E-related highest degrees whose jobs are closely related to field of highest degree, by degree level and years since degree: 2003

(Percent)

Degree and field	Employed individuals	Years since highest degree							
		1-5	6-10	11-15	16-20	21-25	26-30	31-35	36+
Physics and astronomy	53.8	68.0	60.2	49.4	35.5	63.2	55.1	32.8	66.6
Other	47.4	70.9	S	S	S	S	S	S	S
Social and related sciences	55.4	65.7	61.3	58.4	52.1	53.5	44.2	34.0	37.4
Economics	38.5	55.4	34.3	32.4	24.4	35.8	38.9	30.6	52.7
Political and related sciences	35.9	46.7	32.3	44.2	37.8	39.9	17.1	S	S
Psychology	66.2	77.5	76.1	66.2	65.4	60.0	50.3	38.9	44.9
Sociology and anthropology	51.9	51.0	66.2	67.4	38.0	61.1	37.1	31.1	S
Other	45.6	49.1	38.3	52.1	33.9	48.3	56.5	S	S
Engineering	64.5	69.3	69.2	59.1	63.2	66.5	56.5	60.2	61.0
Aerospace, aeronautical, and astronautical	72.0	85.3	71.5	52.3	77.7	100.0	52.4	95.1	S
Chemical	48.3	61.0	36.4	51.9	49.9	42.7	40.4	47.5	90.1
Civil and architectural	73.2	77.0	79.3	73.0	64.9	70.1	71.2	75.2	68.8
Electrical and computer	70.3	72.0	78.3	63.0	70.4	68.1	71.9	64.4	56.1
Industrial	55.1	64.5	44.9	47.3	52.3	88.5	53.1	S	S
Mechanical	55.0	59.1	58.2	59.8	57.0	54.0	45.6	34.6	55.3
Other	59.7	65.2	64.8	46.5	55.7	78.5	44.8	66.1	65.9
S&E-related fields	78.1	84.7	84.0	74.1	76.2	77.2	68.0	51.3	57.4
Health	81.5	85.7	86.4	75.0	81.5	79.1	75.1	52.3	74.7
Science and mathematics teacher education	73.2	85.5	85.2	77.0	68.6	69.6	54.5	49.4	36.6
Technology and technical fields	60.5	78.2	60.5	73.7	40.4	42.3	52.9	S	46.2
Other	72.6	75.2	78.7	66.6	74.4	85.7	60.8	55.1	76.5
Doctoral									
S&E fields	68.6	75.9	70.3	69.0	67.8	65.0	63.6	60.2	66.4
Science	69.9	77.4	72.6	71.1	68.4	65.2	65.1	60.1	68.7
Computer and mathematical sciences	71.4	85.8	67.0	62.2	74.7	75.6	62.7	50.5	71.5
Computer and information sciences	71.6	84.5	68.9	54.3	77.0	85.8	S	S	S
Mathematics and statistics	71.3	86.6	65.2	69.5	73.4	72.3	62.4	53.3	71.5
Biological, agricultural, and environmental life sciences	71.1	76.4	74.1	75.1	67.4	65.2	66.3	62.7	69.7
Agricultural and food sciences	66.6	83.3	71.1	70.9	51.1	59.1	72.1	66.9	47.6
Biological sciences	71.5	76.0	74.0	75.7	70.0	65.6	65.1	62.1	72.6
Environmental life sciences	73.9	73.6	84.3	75.5	69.1	72.9	72.0	64.6	S
Physical and related sciences	58.8	69.0	63.5	57.6	60.8	51.9	51.0	46.4	64.8
Chemistry, except biochemistry	57.9	72.4	67.1	55.1	58.7	47.2	49.9	46.9	56.3
Earth, atmospheric, and ocean sciences	72.7	83.3	70.4	72.1	75.6	63.3	71.1	54.8	81.2
Physics and astronomy	55.8	63.1	55.5	54.1	56.6	55.8	43.7	50.8	67.0
Other	46.0	17.9	86.5	74.7	52.6	33.2	S	S	S
Social and related sciences	76.7	80.6	80.1	80.2	73.2	71.8	73.8	75.0	73.0
Economics	78.3	79.0	77.5	81.6	76.3	78.7	80.9	74.5	73.3
Political and related sciences	67.0	72.9	70.6	62.3	70.9	63.7	54.2	67.0	71.2
Psychology	80.5	83.8	86.0	86.5	73.9	77.0	76.3	79.2	72.8
Sociology and anthropology	72.9	84.4	72.0	74.6	67.4	57.3	78.0	68.4	75.1
Other	71.2	72.3	75.2	66.8	76.3	65.5	65.0	77.8	74.6

Employed individuals with S&E or S&E-related highest degrees whose jobs are closely related to field of highest degree, by degree level and years since degree: 2003

(Percent)

Degree and field	Employed individuals	Years since highest degree							
		1-5	6-10	11-15	16-20	21-25	26-30	31-35	36+
Engineering.....	62.6	69.3	61.7	60.1	64.5	63.5	55.8	60.4	56.0
Aerospace, aeronautical, and astronautical.....	69.6	79.3	69.1	61.0	79.0	S	51.2	51.0	81.4
Chemical.....	52.6	57.9	51.0	38.2	50.1	65.7	40.0	70.9	53.2
Civil and architectural.....	70.8	73.1	68.0	72.6	83.9	81.5	67.2	66.4	39.8
Electrical and computer.....	65.9	73.1	63.1	65.1	69.2	59.0	67.6	59.3	60.4
Industrial.....	67.6	70.0	68.8	70.2	59.2	S	S	61.5	S
Mechanical.....	61.5	68.0	60.8	62.3	55.0	66.5	50.5	66.0	50.4
Other.....	60.0	66.2	60.2	58.6	65.2	60.7	51.2	53.5	53.2
S&E-related fields.....	84.2	86.5	85.3	81.8	84.8	79.0	80.2	77.8	98.6
Health.....	81.0	83.6	83.6	78.6	83.9	67.7	74.6	77.7	98.6
Science and mathematics teacher education.....	97.0	95.6	100.0	S	S	S	S	S	S
Technology and technical fields.....	75.3	S	79.3	S	S	S	S	S	S
Other.....	94.8	S	S	S	S	S	S	S	S

S = suppressed for reasons of confidentiality and/or data reliability

*Includes professional degrees.

SOURCE: National Science Foundation, Division of Science Resources Statistics, Scientists and Engineers Statistical Data System (SESTAT), preliminary estimates (2003), <http://sestat.nsf.gov>.

Science and Engineering Indicators 2006

Appendix table 3-8
Unemployment rate, by occupation: 1983–2004
 (Percent)

Year	All workers	All S&E occupations	S&E technicians	Computer programmers
1983.....	9.9	3.0	6.1	3.1
1984.....	7.4	2.1	3.6	1.4
1985.....	7.0	1.8	3.8	2.0
1986.....	6.9	2.2	3.8	2.4
1987.....	6.2	2.2	3.4	3.1
1988.....	5.5	1.8	2.9	3.0
1989.....	5.2	1.5	3.3	1.5
1990.....	5.7	1.9	4.3	3.1
1991.....	7.2	2.6	4.6	3.5
1992.....	7.9	3.2	5.5	2.9
1993.....	7.2	3.5	5.7	2.8
1994.....	6.2	3.0	4.4	2.5
1995.....	5.6	2.3	3.8	1.5
1996.....	5.4	1.8	3.8	1.2
1997.....	4.9	1.5	2.0	1.9
1998.....	4.4	1.6	2.9	1.6
1999.....	4.1	1.4	2.4	2.6
2000.....	3.9	1.6	3.0	1.7
2001.....	4.8	2.4	3.2	5.1
2002.....	5.8	3.9	5.4	6.5
2003.....	6.0	4.6	6.1	4.9
2004.....	5.5	3.0	3.0	6.7

SOURCE: National Bureau of Economic Research, Merged Outgoing Rotation Group Files from U.S. Department of Labor, Bureau of Labor Statistics, Current Population Survey.

Employed individuals with S&E or S&E-related highest degree, by highest degree, field of highest degree, and employment sector: 2003

Degree and field	Employed individuals	Business/industry				Education			Government		
		All business/industry	Profit	Self-employed	Nonprofit	All education	4-year college/university	Other	All government	Federal	State/local
All degree levels^a											
S&E fields.....	9,587,000	6,831,900	5,661,700	565,000	605,300	1,498,300	811,100	687,100	1,256,800	511,300	745,500
Science.....	7,253,800	4,886,500	3,856,400	468,500	561,500	1,371,700	717,100	654,600	995,600	374,700	620,900
Computer and mathematical sciences.....	1,439,200	1,114,300	1,012,600	52,000	49,700	210,100	100,800	109,300	114,800	57,400	57,400
Computer and information sciences.....	962,600	798,700	735,300	29,700	33,700	84,800	49,400	35,400	79,100	38,100	41,000
Mathematics and statistics.....	476,600	315,600	277,300	22,300	16,000	125,300	51,300	74,000	35,700	19,300	16,400
Biological, agricultural, and environmental life sciences.....	1,489,200	916,700	702,700	97,500	116,500	354,300	248,200	106,100	218,200	94,200	123,900
Agricultural and food sciences.....	251,300	177,000	137,200	30,700	9,100	39,900	24,900	15,000	34,400	20,400	14,100
Biological sciences.....	1,087,300	650,300	491,000	58,300	101,000	297,600	212,600	85,000	139,400	57,100	82,300
Environmental life sciences.....	150,600	89,400	74,500	8,400	6,400	16,900	10,800	6,100	44,300	16,800	27,600
Physical and related sciences.....	692,900	458,200	399,700	35,100	23,500	152,300	100,300	52,000	82,400	41,200	41,200
Chemistry, except biochemistry.....	325,600	230,900	203,600	13,500	13,800	67,100	43,100	24,000	27,600	12,600	15,000
Earth, atmospheric, and ocean sciences.....	169,000	104,000	85,900	14,100	4,100	30,900	17,400	13,500	34,100	14,600	19,500
Physics and astronomy.....	152,300	95,300	85,700	5,400	4,200	45,200	33,600	11,600	11,800	10,600	1,200
Other.....	46,000	27,900	24,600	2,000	1,400	9,200	6,300	2,900	8,900	3,400	5,500
Social and related sciences.....	3,632,500	2,397,300	1,741,500	284,000	371,800	655,000	267,800	387,200	580,300	181,800	398,400
Economics.....	555,100	470,600	397,300	51,500	21,800	42,800	29,400	13,300	41,800	21,600	20,200
Political and related sciences.....	660,500	459,100	361,500	44,200	53,400	75,800	41,700	34,100	125,500	53,600	71,900
Psychology.....	1,335,300	814,400	518,800	120,600	175,000	313,900	102,400	211,500	207,000	45,700	161,300
Sociology and anthropology.....	684,100	409,700	286,100	37,500	86,100	126,700	56,300	70,400	147,700	36,000	111,700
Other.....	397,600	243,500	177,800	30,200	35,500	95,800	37,900	57,900	58,300	25,000	33,300
Engineering.....	2,333,200	1,945,400	1,805,200	96,500	43,700	126,500	94,000	32,500	261,300	136,600	124,600
Aerospace, aeronautical, and astronautical.....	85,300	70,000	63,300	4,100	2,600	4,400	4,000	500	10,900	9,600	1,200
Chemical.....	160,400	134,800	128,700	3,700	2,400	11,800	9,600	2,200	13,800	8,800	5,000
Civil and architectural.....	384,700	282,800	257,000	20,300	5,500	14,600	9,400	5,200	87,300	19,300	68,000
Electrical and computer.....	747,700	654,900	616,100	25,300	13,500	36,900	29,400	7,500	55,800	41,000	14,800
Industrial.....	132,300	114,200	106,200	3,600	4,400	6,300	3,400	2,900	11,800	6,500	5,300
Mechanical.....	492,500	427,100	397,900	19,800	9,400	23,200	15,900	7,300	42,200	29,200	13,000
Other.....	330,200	261,600	235,900	19,600	6,000	29,200	22,300	6,900	39,500	22,200	17,300
S&E-related fields.....	4,376,900	3,088,700	2,072,300	386,800	629,500	904,500	467,900	436,600	383,700	134,700	249,000
Health.....	3,367,000	2,430,400	1,537,900	295,400	597,100	633,800	432,400	201,400	302,800	109,900	192,900
Science and mathematics teacher education.....	339,200	94,500	64,300	19,200	11,100	228,600	15,300	213,300	16,100	5,900	10,200
Technology and technical fields.....	334,400	288,200	256,300	21,100	10,800	18,700	7,800	10,900	27,500	12,500	15,000
Other.....	336,300	275,600	213,900	51,100	10,600	23,400	12,300	11,100	37,300	6,400	31,000
Bachelor's											
S&E fields.....	6,947,000	5,245,500	4,401,600	402,900	441,000	774,600	325,500	449,100	926,900	342,600	584,300
Science.....	5,271,100	3,816,000	3,075,700	331,700	408,600	719,200	292,900	426,400	735,900	246,600	489,300
Computer and mathematical sciences.....	1,012,100	808,300	732,500	36,800	39,000	118,800	39,600	79,200	84,900	39,300	45,600
Computer and information sciences.....	667,500	560,800	514,600	20,400	25,800	48,800	24,800	24,000	58,000	25,300	32,700
Mathematics and statistics.....	344,500	247,600	218,000	16,400	13,200	70,000	14,800	55,200	26,900	14,000	13,000

Employed individuals with S&E or S&E-related highest degree, by highest degree, field of highest degree, and employment sector: 2003

Degree and field	Business/industry					Education			Government		
	Employed individuals	All business/industry	Profit	Self-employed	Nonprofit	All education	4-year college/university	Other	All government	Federal	State/local
Biological, agricultural, and environmental life sciences	1,080,100	735,200	569,000	77,800	88,500	184,800	107,900	76,900	160,100	60,600	99,400
Agricultural and food sciences	198,500	148,700	115,800	26,000	6,800	21,300	9,300	12,000	28,500	16,300	12,200
Biological sciences	766,200	515,000	391,600	45,600	77,800	153,300	92,400	61,000	97,900	34,700	63,200
Environmental life sciences.....	115,300	71,500	61,500	6,200	3,800	10,200	6,200	3,900	33,600	9,600	24,000
Physical and related sciences	421,600	305,900	268,200	22,600	15,200	63,100	33,800	29,300	52,600	21,900	30,700
Chemistry, except biochemistry.....	208,000	157,800	136,700	10,100	11,000	30,800	16,900	14,000	19,300	7,800	11,500
Earth, atmospheric, and ocean sciences.....	103,700	72,600	62,500	8,400	1,700	10,500	3,800	6,600	20,700	7,300	13,400
Physics and astronomy	73,300	52,800	49,400	2,100	1,200	15,000	8,400	6,700	5,500	4,900	S
Other	36,600	22,700	19,600	1,900	S	6,700	4,700	2,000	7,100	1,900	5,200
Social and related sciences.....	2,757,300	1,966,500	1,506,000	194,500	266,000	352,500	111,500	241,000	438,300	124,800	313,500
Economics	459,400	411,100	352,500	43,400	15,200	17,500	9,900	7,600	30,800	13,200	17,600
Political and related sciences	542,700	402,100	319,400	38,600	44,100	48,200	20,300	28,000	92,300	32,700	59,500
Psychology	848,700	569,800	410,400	54,300	105,000	141,800	40,300	101,500	137,100	28,500	108,600
Sociology and anthropology	604,500	380,300	267,600	33,800	78,900	89,900	27,300	62,500	134,300	31,600	102,700
Other	302,000	203,200	156,100	24,400	22,700	55,000	13,700	41,400	43,800	18,700	25,100
Engineering.....	1,675,800	1,429,400	1,325,900	71,200	32,400	55,400	32,700	22,800	191,000	96,000	95,000
Aerospace, aeronautical, and astronautical.....	63,800	54,400	49,900	2,700	1,900	1,700	1,500	S	7,700	6,600	S
Chemical.....	116,900	100,200	95,900	2,700	1,500	6,700	5,300	1,300	10,100	7,500	2,600
Civil and architectural	288,100	213,800	194,100	15,900	3,700	6,100	2,700	3,400	68,300	15,400	52,900
Electrical and computer	517,700	460,200	435,100	15,900	9,200	14,900	8,900	6,000	42,500	29,700	12,800
Industrial.....	99,500	89,900	82,500	3,500	3,900	2,400	700	1,700	7,200	3,100	4,100
Mechanical	393,400	346,400	320,300	17,900	8,100	12,700	6,500	6,200	34,300	22,900	11,400
Other	196,500	164,600	148,100	12,600	3,900	10,900	7,000	3,900	21,000	10,800	10,200
S&E-related fields	2,322,800	1,705,000	1,163,000	139,000	402,900	396,800	190,900	205,900	220,900	68,300	152,700
Health	1,621,700	1,186,800	738,700	68,000	380,100	265,100	176,300	88,800	169,700	49,500	120,300
Science and mathematics teacher education.....	184,800	71,300	49,800	13,100	8,400	103,700	S	100,800	9,800	4,600	5,200
Technology and technical fields.....	281,600	245,500	215,500	19,600	10,400	14,600	6,200	8,400	21,500	8,800	12,700
Other.....	234,700	201,400	159,000	38,200	4,100	13,400	5,500	7,900	19,900	5,400	14,500
Master's											
S&E fields.....	1,918,400	1,261,400	1,019,900	113,900	127,700	394,900	181,900	212,900	262,200	122,200	139,900
Science.....	1,383,900	823,800	610,700	93,500	119,600	358,400	153,700	204,700	201,700	89,300	112,400
Computer and mathematical sciences.....	375,000	285,900	262,300	13,900	9,700	62,000	33,100	28,900	27,200	16,000	11,100
Computer and information sciences.....	277,000	227,900	211,400	8,900	7,600	28,600	17,400	11,200	20,500	12,300	8,200
Mathematics and statistics	98,000	58,000	50,900	5,000	2,000	33,400	15,700	17,800	6,600	3,700	2,900
Biological, agricultural, and environmental life sciences	208,700	109,000	79,900	11,700	17,400	62,700	39,200	23,500	37,100	17,100	20,000
Agricultural and food sciences	31,400	18,600	14,200	2,700	1,700	9,500	7,000	2,500	3,400	2,400	900
Biological sciences	147,800	74,100	53,700	7,000	13,500	48,900	30,000	19,000	24,700	8,800	15,900
Environmental life sciences.....	29,500	16,300	12,100	S	2,200	4,300	2,300	2,000	9,000	5,800	3,100
Physical and related sciences.....	129,700	79,300	67,700	7,900	3,600	33,900	15,800	18,100	16,500	9,200	7,400
Chemistry, except biochemistry.....	46,100	29,900	28,000	900	1,100	12,600	5,200	7,400	3,500	1,600	1,900
Earth, atmospheric, and ocean sciences.....	47,200	26,200	19,400	5,100	1,700	10,700	4,400	6,300	10,300	5,100	5,300

Employed individuals with S&E or S&E-related highest degree, by highest degree, field of highest degree, and employment sector: 2003

Degree and field	Employed individuals	Business/industry				Education			Government		
		All business/industry	Profit	Self-employed	Nonprofit	All education	4-year college/university	Other	All government	Federal	State/local
Physics and astronomy	31,200	20,400	17,600	2,000	800	9,500	5,900	3,600	1,300	1,300	S
Other	5,200	2,800	2,800	S	S	1,000	S	800	1,300	S	S
Social and related sciences.....	670,400	349,600	200,700	60,000	88,900	199,800	65,700	134,200	121,000	47,100	73,900
Economics	71,900	52,300	39,500	7,100	5,700	12,100	6,700	5,400	7,500	5,500	2,100
Political and related sciences.....	96,700	52,200	39,400	4,500	8,300	13,600	8,500	5,100	30,800	20,000	10,900
Psychology	372,800	187,000	87,500	41,000	58,500	127,600	25,700	101,800	58,200	12,800	45,400
Sociology and anthropology	52,300	23,100	16,300	2,200	4,600	17,900	11,300	6,600	11,300	3,200	8,100
Other	76,800	35,000	17,900	5,300	11,800	28,600	13,400	15,100	13,200	5,600	7,500
Engineering.....	534,500	437,600	409,200	20,400	8,100	36,500	28,200	8,200	60,400	32,900	27,500
Aerospace, aeronautical, and astronautical.....	15,500	11,900	10,500	S	S	1,100	900	S	2,500	2,400	S
Chemical.....	27,000	22,700	22,100	S	S	1,800	1,200	S	2,400	600	1,800
Civil and architectural	85,900	63,400	57,700	4,100	1,600	4,500	2,800	1,700	17,900	3,200	14,700
Electrical and computer	194,200	170,600	159,400	7,800	3,400	12,100	11,000	1,100	11,500	9,600	1,900
Industrial.....	29,200	22,700	22,200	S	S	2,100	900	1,200	4,400	3,300	1,100
Mechanical	83,700	70,300	68,100	1,300	900	6,300	5,400	900	7,200	5,500	1,600
Other	99,100	76,100	69,300	5,700	1,100	8,500	6,000	2,500	14,600	8,200	6,400
S&E-related fields	914,200	508,300	318,400	62,700	127,100	300,400	81,100	219,300	105,600	33,800	71,800
Health	623,800	376,300	215,800	42,800	117,700	170,500	67,700	102,800	76,900	27,900	49,000
Science and mathematics teacher education.....	146,600	22,400	13,600	6,100	2,700	118,100	7,100	110,900	6,200	S	4,900
Technology and technical fields.....	49,300	40,400	38,600	S	S	3,600	1,100	2,500	5,300	3,600	1,700
Other.....	94,500	69,100	50,400	12,400	6,400	8,200	5,100	3,000	17,200	1,000	16,200
Doctoral											
S&E fields.....	689,500	303,000	230,300	39,200	33,400	323,300	299,700	23,600	63,200	45,400	17,800
Science.....	567,700	225,300	160,900	34,300	30,100	289,000	266,800	22,200	53,400	37,600	15,700
Computer and mathematical sciences.....	51,200	19,200	17,000	1,200	1,100	29,300	28,100	1,200	2,600	2,100	500
Computer and information sciences.....	17,100	9,200	8,700	300	300	7,400	7,200	200	500	400	S
Mathematics and statistics	34,000	10,000	8,300	900	800	21,900	20,900	1,000	2,100	1,700	500
Biological, agricultural, and environmental life sciences	190,600	64,600	49,400	5,100	10,100	105,800	100,100	5,700	20,200	16,500	3,700
Agricultural and food sciences	19,400	8,300	7,100	600	600	9,100	8,600	500	2,100	1,600	400
Biological sciences	165,500	54,700	41,300	4,300	9,100	94,300	89,300	5,000	16,400	13,600	2,800
Environmental life sciences.....	5,700	1,600	1,000	200	300	2,400	2,300	200	1,700	1,300	500
Physical and related sciences	140,600	72,300	63,200	4,500	4,600	55,000	50,500	4,500	13,200	10,100	3,100
Chemistry, except biochemistry.....	71,100	43,100	38,800	2,500	1,700	23,300	20,700	2,600	4,700	3,200	1,600
Earth, atmospheric, and ocean sciences.....	17,900	5,100	4,000	600	500	9,700	9,100	600	3,100	2,300	800
Physics and astronomy	47,800	22,200	18,700	1,300	2,200	20,600	19,300	1,300	5,000	4,300	600
Other	3,800	2,000	1,800	100	S	1,400	1,400	S	400	300	S
Social and related sciences.....	185,400	69,200	31,300	23,500	14,400	98,900	88,100	10,800	17,300	8,900	8,400
Economics	23,800	7,200	5,300	1,100	900	13,200	12,800	300	3,400	2,900	500
Political and related sciences.....	20,500	4,800	2,600	1,100	1,100	13,900	12,900	1,000	1,900	900	900
Psychology	96,500	47,000	18,100	19,900	9,100	40,800	33,900	6,800	8,700	3,300	5,400
Sociology and anthropology	26,700	5,700	2,300	900	2,600	18,900	17,700	1,200	2,100	1,200	900

Employed individuals with S&E or S&E-related highest degree, by highest degree, field of highest degree, and employment sector: 2003

Degree and field	Employed individuals	Business/industry				Education			Government		
		All business/industry	Profit	Self-employed	Nonprofit	All education	4-year college/university	Other	All government	Federal	State/local
Other	18,000	4,500	3,100	600	800	12,200	10,800	1,400	1,300	600	700
Engineering	121,800	77,600	69,400	4,900	3,300	34,300	32,800	1,400	9,900	7,800	2,100
Aerospace, aeronautical, and astronautical.....	6,000	3,600	2,900	500	200	1,600	1,600	S	700	700	S
Chemical.....	16,400	12,000	10,800	600	600	3,100	2,900	300	1,300	700	600
Civil and architectural	10,800	5,600	5,200	300	200	4,000	3,900	S	1,100	700	500
Electrical and computer	35,500	23,900	21,500	1,500	900	9,700	9,400	300	1,800	1,700	200
Industrial.....	3,700	1,700	1,600	S	S	1,800	1,800	S	200	200	S
Mechanical	15,200	10,300	9,300	600	400	4,100	4,000	100	800	800	S
Other	34,200	20,500	18,100	1,300	1,000	9,800	9,300	500	3,900	3,100	800
S&E-related fields	58,100	24,000	17,400	2,400	4,100	29,000	26,900	2,100	5,100	2,000	3,100
Health	41,700	16,500	10,600	2,000	4,000	20,500	19,700	800	4,600	1,900	2,700
Science and mathematics teacher education.....	6,800	S	S	S	S	6,500	5,300	1,200	S	S	S
Technology and technical fields.....	2,800	2,100	2,100	S	S	S	S	S	S	S	S
Other.....	6,800	5,100	S	S	S	1,400	1,400	S	S	S	S

S = suppressed for reasons of confidentiality and/or data reliability

*Includes professional degrees.

SOURCE: National Science Foundation, Division of Science Resources Statistics, Scientists and Engineers Statistical Data System (SESTAT), preliminary estimates (2003), <http://sestat.nsf.gov>.

Science and Engineering Indicators 2006

Appendix table 3-10

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Individuals in S&E and S&E-related occupations, by highest degree, occupation, sex, race/ethnicity, and employment status: 2003

Degree, occupation, sex, and race/ethnicity	All individuals	All employed	Employed			Not in labor force		
			Full time	Part time	Unemployed, seeking job	All not in labor force	Retired	Not seeking job
All degree levels^a								
S&E occupations.....	5,702,700	4,927,500	4,555,400	372,100	167,400	607,700	381,400	226,400
Male.....	4,115,400	3,597,100	3,424,300	172,800	120,100	398,200	333,500	64,700
Female.....	1,587,300	1,330,500	1,131,100	199,400	47,300	209,500	47,900	161,600
Asian.....	801,700	697,100	656,400	40,700	42,300	62,300	17,400	44,900
American Indian/Alaska Native.....	18,900	17,300	16,500	800	S	1,300	700	600
Black, non-Hispanic.....	237,600	215,800	207,300	8,500	9,100	12,600	7,700	5,000
Hispanic.....	239,900	214,300	205,200	9,000	5,300	20,300	8,600	11,800
White, non-Hispanic.....	4,317,600	3,706,100	3,399,200	306,900	107,900	503,700	344,400	159,200
Other.....	87,000	77,000	70,900	6,100	2,500	7,500	2,600	4,900
Scientists.....	3,834,900	3,372,700	3,064,500	308,200	106,900	355,300	172,400	182,900
Male.....	2,457,600	2,214,500	2,090,700	123,900	68,600	174,400	129,000	45,400
Female.....	1,377,400	1,158,200	973,800	184,300	38,300	180,900	43,400	137,500
Asian.....	580,300	502,300	469,300	33,000	29,400	48,600	8,500	40,100
American Indian/Alaska Native.....	13,900	12,500	11,800	700	S	1,200	700	500
Black, non-Hispanic.....	180,400	163,000	154,900	8,100	7,100	10,200	5,600	4,600
Hispanic.....	148,800	134,500	127,000	7,600	2,900	11,400	3,400	8,000
White, non-Hispanic.....	2,852,600	2,509,100	2,255,700	253,400	65,300	278,100	152,700	125,400
Other.....	59,000	51,200	45,800	5,400	1,900	5,900	1,500	4,300
Computer and mathematical scientists.....	2,238,500	2,008,500	1,880,700	127,800	78,400	151,600	62,300	89,300
Male.....	1,563,000	1,438,700	1,384,300	54,400	53,400	70,900	46,600	24,300
Female.....	675,500	569,800	496,400	73,400	25,000	80,700	15,700	65,000
Asian.....	408,200	357,400	340,500	16,900	24,900	25,900	3,300	22,600
American Indian/Alaska Native.....	4,100	3,600	3,300	S	S	S	S	S
Black, non-Hispanic.....	115,200	105,900	103,000	3,000	4,500	4,700	1,600	3,200
Hispanic.....	82,700	76,500	74,000	2,600	2,500	3,600	1,600	2,000
White, non-Hispanic.....	1,591,700	1,431,600	1,329,700	101,900	45,000	115,200	55,200	60,000
Other.....	36,600	33,400	30,300	3,100	1,300	1,900	600	1,300
Life and related scientists.....	652,400	554,500	506,800	47,700	11,900	86,000	43,700	42,300
Male.....	359,400	314,200	297,100	17,100	6,100	39,200	29,000	10,200
Female.....	293,000	240,400	209,800	30,600	5,900	46,800	14,700	32,100
Asian.....	89,800	78,500	73,900	4,600	2,200	9,100	2,100	7,000
American Indian/Alaska Native.....	4,600	3,900	3,800	100	S	700	S	S
Black, non-Hispanic.....	23,700	20,400	19,300	1,100	900	2,400	1,700	700
Hispanic.....	26,900	23,100	22,200	900	200	3,600	1,000	2,600
White, non-Hispanic.....	498,000	422,500	381,900	40,700	8,400	67,100	37,800	29,300
Other.....	9,500	6,200	5,800	S	S	3,100	S	2,500
Physical and related scientists.....	375,700	315,100	290,900	24,200	8,800	51,900	36,300	15,600
Male.....	267,400	225,100	211,400	13,800	5,500	36,800	32,900	3,800
Female.....	108,300	89,900	79,500	10,400	3,200	15,100	3,300	11,800
Asian.....	46,900	38,600	35,000	3,600	1,800	6,500	1,700	4,700
American Indian/Alaska Native.....	1,500	1,500	1,500	S	S	S	S	S
Black, non-Hispanic.....	9,900	8,800	7,900	900	500	600	200	400
Hispanic.....	13,600	12,600	12,200	400	S	1,000	300	700
White, non-Hispanic.....	298,600	248,900	230,500	18,400	6,200	43,500	33,900	9,600
Other.....	5,200	4,600	3,800	900	S	S	S	S
Social and related scientists.....	568,300	494,600	386,100	108,500	7,900	65,900	30,200	35,700
Male.....	267,700	236,500	197,900	38,600	3,600	27,600	20,600	7,000
Female.....	300,600	258,100	188,200	69,900	4,200	38,300	9,600	28,700
Asian.....	35,400	27,700	19,900	7,800	600	7,100	1,300	5,800
American Indian/Alaska Native.....	3,700	3,500	3,200	300	S	200	200	S
Black, non-Hispanic.....	31,500	27,900	24,800	3,200	1,200	2,400	2,100	300
Hispanic.....	25,700	22,300	18,600	3,700	S	3,200	500	2,800
White, non-Hispanic.....	464,300	406,100	313,600	92,400	5,800	52,400	25,900	26,500
Other.....	7,800	7,000	5,900	1,100	S	600	S	S
Engineers.....	1,867,800	1,554,900	1,490,900	63,900	60,500	252,400	208,900	43,400
Male.....	1,657,800	1,382,500	1,333,600	48,900	51,500	223,800	204,400	19,400

Appendix table 3-10

Individuals in S&E and S&E-related occupations, by highest degree, occupation, sex, race/ethnicity, and employment status: 2003

Degree, occupation, sex, and race/ethnicity	All individuals	All employed	Employed			Not in labor force		
			Full time	Part time	Unemployed, seeking job	All not in labor force	Retired	Not seeking job
Female.....	209,900	172,300	157,300	15,000	9,000	28,600	4,500	24,100
Asian.....	221,400	194,800	187,100	7,800	12,900	13,700	8,900	4,800
American Indian/Alaska Native.....	5,000	4,800	4,700	S	S	S	S	S
Black, non-Hispanic.....	57,200	52,800	52,400	400	2,000	2,400	2,100	400
Hispanic.....	91,100	79,700	78,300	1,500	2,500	8,900	5,200	3,700
White, non-Hispanic.....	1,465,100	1,197,000	1,143,500	53,500	42,600	225,500	191,700	33,900
Other.....	28,000	25,800	25,100	700	500	1,600	1,100	500
S&E-related occupations.....	6,115,000	5,220,600	4,494,600	726,000	107,700	786,800	416,400	370,400
Male.....	2,680,600	2,333,700	2,215,500	118,200	55,300	291,700	239,900	51,800
Female.....	3,434,400	2,886,900	2,279,100	607,800	52,400	495,200	176,500	318,600
Asian.....	551,600	482,100	432,800	49,400	15,500	54,100	18,600	35,400
American Indian/Alaska Native.....	23,600	20,800	18,200	2,600	S	2,400	S	S
Black, non-Hispanic.....	323,100	287,400	273,200	14,200	6,900	28,700	16,400	12,300
Hispanic.....	301,500	266,700	242,200	24,500	6,300	28,600	13,700	14,800
White, non-Hispanic.....	4,808,300	4,071,300	3,447,100	624,200	77,900	659,100	357,700	301,400
Other.....	107,000	92,200	81,100	11,100	800	14,000	9,100	4,900
Bachelor's								
S&E occupations.....	3,256,200	2,799,200	2,633,200	166,000	104,400	352,600	217,300	135,300
Male.....	2,423,800	2,103,200	2,028,700	74,500	80,500	240,000	199,700	40,400
Female.....	832,500	696,000	604,500	91,500	23,900	112,600	17,600	95,000
Asian.....	328,300	278,900	264,800	14,100	20,100	29,400	5,900	23,500
American Indian/Alaska Native.....	12,000	11,000	10,900	S	S	S	S	S
Black, non-Hispanic.....	151,800	139,400	135,700	3,700	5,000	7,400	4,500	2,900
Hispanic.....	155,000	138,900	134,300	4,600	3,800	12,300	6,000	6,300
White, non-Hispanic.....	2,550,500	2,178,700	2,039,000	139,700	73,700	298,100	199,600	98,500
Other.....	58,600	52,300	48,400	3,900	1,500	4,800	1,000	3,800
Scientists.....	2,025,300	1,789,700	1,658,300	131,400	60,900	174,700	65,900	108,800
Male.....	1,324,700	1,201,100	1,151,800	49,300	43,800	79,800	51,400	28,400
Female.....	700,600	588,600	506,500	82,100	17,100	94,900	14,500	80,400
Asian.....	231,500	194,500	183,200	11,300	13,300	23,600	1,700	21,900
American Indian/Alaska Native.....	7,600	6,800	6,800	S	S	S	S	S
Black, non-Hispanic.....	109,800	99,900	96,400	3,500	3,500	6,400	3,700	2,700
Hispanic.....	90,400	82,300	78,900	3,400	1,900	6,300	2,100	4,200
White, non-Hispanic.....	1,549,100	1,374,000	1,264,000	110,000	41,000	134,000	57,600	76,500
Other.....	36,900	32,100	28,900	3,200	1,000	3,800	S	3,300
Computer and mathematical								
scientists.....	1,473,300	1,331,400	1,251,900	79,500	49,000	92,900	33,000	59,900
Male.....	1,021,700	945,800	915,800	30,000	36,400	39,400	23,700	15,700
Female.....	451,600	385,500	336,100	49,500	12,600	53,500	9,300	44,100
Asian.....	186,300	162,000	155,600	6,400	11,300	12,900	1,000	11,900
American Indian/Alaska Native.....	2,900	2,400	2,400	S	S	S	S	S
Black, non-Hispanic.....	82,800	76,600	75,000	1,600	2,900	3,300	1,300	2,000
Hispanic.....	62,700	57,900	56,400	1,500	1,800	3,000	S	1,700
White, non-Hispanic.....	1,113,400	1,009,000	940,900	68,100	32,200	72,300	29,000	43,300
Other.....	25,200	23,400	21,600	1,900	700	1,200	S	700
Life and related scientists.....	239,800	195,500	179,300	16,200	5,900	38,500	13,000	25,400
Male.....	122,000	102,000	97,100	4,800	3,500	16,500	9,300	7,200
Female.....	117,800	93,500	82,100	11,300	2,300	22,000	3,700	18,300
Asian.....	20,600	15,900	14,300	S	S	3,800	S	3,700
American Indian/Alaska Native.....	3,300	2,900	2,900	S	S	S	S	S
Black, non-Hispanic.....	9,000	7,800	7,500	S	S	1,100	S	S
Hispanic.....	10,500	8,700	8,100	500	S	1,800	S	1,200
White, non-Hispanic.....	190,800	157,100	143,600	13,500	4,500	29,200	11,200	18,000
Other.....	5,600	3,100	2,900	S	S	S	S	S
Physical and related scientists.....	168,400	139,400	130,100	9,300	3,600	25,400	15,200	10,200
Male.....	108,900	90,000	85,200	4,800	2,000	17,000	14,800	2,100
Female.....	59,500	49,400	44,900	4,500	1,600	8,400	S	8,100
Asian.....	15,800	11,000	9,100	1,800	1,100	3,700	S	3,100

Appendix table 3-10

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Individuals in S&E and S&E-related occupations, by highest degree, occupation, sex, race/ethnicity, and employment status: 2003

Degree, occupation, sex, and race/ethnicity	All individuals	All employed	Employed			Not in labor force		
			Full time	Part time	Unemployed, seeking job	All not in labor force	Retired	Not seeking job
American Indian/Alaska Native...	900	900	900	S	S	S	S	S
Black, non-Hispanic.....	6,000	5,500	4,700	800	S	400	S	S
Hispanic.....	8,600	7,800	7,700	100	S	800	S	700
White, non-Hispanic.....	133,800	111,100	105,200	6,000	2,400	20,200	14,200	6,000
Other.....	3,300	3,100	2,400	600	S	S	S	S
Social and related scientists.....	143,800	123,500	97,000	26,500	2,400	17,900	4,600	13,300
Male.....	72,100	63,300	53,600	9,700	S	6,900	3,500	3,400
Female.....	71,700	60,100	43,300	16,800	S	11,000	S	9,900
Asian.....	8,800	5,600	4,100	S	S	3,200	S	3,200
American Indian/Alaska Native...	S	S	S	S	S	S	S	S
Black, non-Hispanic.....	11,900	10,000	9,200	900	S	S	S	S
Hispanic.....	8,600	7,900	6,700	1,200	S	600	S	600
White, non-Hispanic.....	111,000	96,800	74,400	22,500	S	12,300	3,200	9,100
Other.....	2,800	S	S	S	S	S	S	S
Engineers.....	1,230,900	1,009,500	975,000	34,600	43,400	178,000	151,500	26,500
Male.....	1,099,100	902,100	876,900	25,200	36,700	160,200	148,300	11,900
Female.....	131,900	107,400	98,000	9,400	6,700	17,700	3,100	14,600
Asian.....	96,900	84,400	81,600	2,800	6,800	5,700	4,200	1,600
American Indian/Alaska Native.....	4,300	4,100	4,100	S	S	S	S	S
Black, non-Hispanic.....	42,000	39,500	39,300	100	1,500	1,000	800	S
Hispanic.....	64,600	56,600	55,400	1,200	2,000	6,000	3,900	2,200
White, non-Hispanic.....	1,001,500	804,700	775,000	29,700	32,700	164,100	142,100	22,000
Other.....	21,600	20,200	19,500	700	S	1,000	S	S
S&E-related occupations.....	3,489,300	2,938,500	2,466,200	472,300	56,900	493,900	215,200	278,700
Male.....	1,256,700	1,101,100	1,055,700	45,300	26,200	129,500	92,800	36,600
Female.....	2,232,600	1,837,400	1,410,500	427,000	30,700	364,400	122,400	242,000
Asian.....	289,400	246,100	217,800	28,300	7,500	35,900	9,300	26,600
American Indian/Alaska Native.....	16,500	14,000	12,200	1,800	S	2,200	S	S
Black, non-Hispanic.....	206,000	184,600	175,200	9,400	3,900	17,400	8,600	8,800
Hispanic.....	178,400	157,900	143,800	14,100	3,700	16,800	6,500	10,400
White, non-Hispanic.....	2,725,100	2,272,200	1,859,800	412,400	40,900	412,000	185,100	226,900
Other.....	73,900	63,700	57,400	6,400	S	9,600	5,300	4,300
Master's								
S&E occupations.....	1,683,000	1,453,300	1,314,400	138,900	49,700	180,100	105,800	74,300
Male.....	1,152,000	1,016,200	956,100	60,200	30,700	105,100	84,900	20,200
Female.....	531,000	437,000	358,400	78,700	19,000	75,000	20,900	54,100
Asian.....	332,000	288,300	268,000	20,300	18,500	25,100	6,900	18,200
American Indian/Alaska Native.....	3,200	2,900	2,500	S	S	S	S	S
Black, non-Hispanic.....	60,500	53,100	49,900	3,200	3,200	4,300	2,300	1,900
Hispanic.....	60,200	52,900	50,200	2,700	1,300	6,000	2,100	4,000
White, non-Hispanic.....	1,203,100	1,035,400	924,200	111,300	25,700	141,900	92,900	49,000
Other.....	24,100	20,600	19,600	1,000	1,000	2,500	1,500	1,000
Scientists.....	1,155,900	1,003,700	888,100	115,600	36,000	116,200	57,500	58,800
Male.....	692,200	622,100	580,200	42,000	18,600	51,500	37,900	13,600
Female.....	463,700	381,500	307,900	73,700	17,400	64,800	19,600	45,200
Asian.....	240,200	207,500	191,600	16,000	13,900	18,700	3,400	15,300
American Indian/Alaska Native.....	2,900	2,700	2,400	S	S	S	S	S
Black, non-Hispanic.....	47,400	41,800	38,800	3,000	2,700	2,800	1,100	1,700
Hispanic.....	36,700	32,600	30,000	2,500	800	3,300	800	2,400
White, non-Hispanic.....	810,700	703,700	610,900	92,800	17,600	89,400	51,200	38,200
Other.....	18,100	15,400	14,400	1,000	900	1,800	S	S
Computer and mathematical								
scientists.....	655,400	578,200	538,400	39,800	27,300	49,900	21,700	28,200
Male.....	453,200	413,900	396,200	17,700	15,300	23,900	15,900	8,000
Female.....	202,200	164,300	142,100	22,100	11,900	26,000	5,800	20,200
Asian.....	195,200	170,200	160,900	9,300	12,900	12,100	1,900	10,300
American Indian/Alaska Native...	1,000	1,000	700	S	S	S	S	S
Black, non-Hispanic.....	27,600	24,600	23,500	1,100	1,600	1,400	S	1,100

Appendix table 3-10

Individuals in S&E and S&E-related occupations, by highest degree, occupation, sex, race/ethnicity, and employment status: 2003

Degree, occupation, sex, and race/ethnicity	All individuals	All employed	Employed			Not in labor force		
			Full time	Part time	Unemployed, seeking job	All not in labor force	Retired	Not seeking job
Hispanic.....	17,900	16,700	15,900	800	S	500	S	300
White, non-Hispanic.....	403,500	356,900	328,800	28,100	11,500	35,100	19,200	15,900
Other.....	10,200	8,800	8,600	S	S	S	S	S
Life and related scientists.....	155,200	128,700	112,700	16,000	2,100	24,300	13,200	11,100
Male.....	71,600	62,300	58,900	3,400	S	8,700	6,700	2,000
Female.....	83,500	66,400	53,800	12,600	1,600	15,600	6,500	9,100
Asian.....	18,000	14,400	13,500	900	S	3,300	600	2,700
American Indian/Alaska Native.....	S	S	S	S	S	S	S	S
Black, non-Hispanic.....	6,100	5,100	4,800	300	S	1,000	S	S
Hispanic.....	6,300	5,200	5,000	S	S	1,100	S	800
White, non-Hispanic.....	122,000	102,200	87,800	14,400	1,700	18,100	11,100	7,000
Other.....	2,500	1,700	1,500	S	S	S	S	S
Physical and related scientists.....	97,900	82,900	73,700	9,100	2,700	12,300	9,200	3,100
Male.....	65,200	55,900	51,400	4,500	1,500	7,800	6,900	900
Female.....	32,800	27,000	22,400	4,600	1,200	4,500	2,300	2,300
Asian.....	11,200	10,100	8,800	1,200	S	900	S	700
American Indian/Alaska Native.....	S	S	S	S	S	S	S	S
Black, non-Hispanic.....	2,400	1,900	1,900	S	S	S	S	S
Hispanic.....	2,900	2,900	2,700	200	S	S	S	S
White, non-Hispanic.....	79,600	66,500	59,100	7,400	1,900	11,200	9,000	2,300
Other.....	1,700	1,400	1,200	S	S	S	S	S
Social and related scientists.....	247,400	213,900	163,200	50,700	3,900	29,700	13,400	16,300
Male.....	102,200	90,000	73,600	16,400	1,200	11,000	8,300	2,700
Female.....	145,200	123,800	89,600	34,300	2,600	18,700	5,100	13,600
Asian.....	15,800	12,900	8,400	4,500	S	2,400	S	1,600
American Indian/Alaska Native.....	1,500	1,500	1,500	S	S	S	S	S
Black, non-Hispanic.....	11,300	10,200	8,600	1,700	S	400	S	S
Hispanic.....	9,500	7,800	6,500	1,300	S	1,700	S	1,400
White, non-Hispanic.....	205,600	178,100	135,300	42,800	2,600	24,900	11,900	13,000
Other.....	3,700	3,400	3,000	S	S	S	S	S
Engineers.....	527,200	449,600	426,400	23,200	13,700	63,800	48,300	15,500
Male.....	459,900	394,100	375,900	18,200	12,100	53,600	47,100	6,600
Female.....	67,300	55,500	50,500	5,000	1,600	10,200	1,300	9,000
Asian.....	91,800	80,800	76,500	4,300	4,600	6,500	3,600	2,900
American Indian/Alaska Native.....	S	S	S	S	S	S	S	S
Black, non-Hispanic.....	13,200	11,300	11,100	S	500	1,400	1,200	200
Hispanic.....	23,600	20,400	20,200	200	500	2,700	1,200	1,500
White, non-Hispanic.....	392,400	331,700	313,200	18,500	8,100	52,600	41,800	10,800
Other.....	6,000	5,200	5,200	S	S	600	S	S
S&E-related occupations.....	1,406,200	1,196,200	1,053,700	142,500	38,000	172,000	107,900	64,000
Male.....	571,600	479,000	455,400	23,600	22,200	70,500	65,000	5,500
Female.....	834,600	717,200	598,300	118,900	15,800	101,500	43,000	58,500
Asian.....	99,700	86,600	78,900	7,800	4,600	8,400	3,500	4,900
American Indian/Alaska Native.....	3,700	3,500	3,200	S	S	S	S	S
Black, non-Hispanic.....	73,500	64,600	62,500	2,000	1,300	7,600	5,500	2,100
Hispanic.....	51,000	43,700	39,400	4,300	S	6,500	3,300	3,200
White, non-Hispanic.....	1,161,700	983,100	858,000	125,100	31,200	147,400	94,100	53,300
Other.....	16,700	14,800	11,700	3,000	S	1,800	S	S
Doctoral								
S&E occupations.....	663,600	581,800	525,800	55,900	12,800	69,100	55,100	13,900
Male.....	478,200	419,600	388,700	30,900	8,400	50,200	46,300	3,900
Female.....	185,500	162,200	137,100	25,000	4,400	18,900	8,800	10,100
Asian.....	127,300	116,100	111,200	4,900	3,600	7,500	4,600	2,900
American Indian/Alaska Native.....	3,800	3,400	3,000	400	S	300	200	100
Black, non-Hispanic.....	21,000	19,200	18,000	1,200	1,000	800	600	200
Hispanic.....	18,800	17,200	15,600	1,600	200	1,500	600	900
White, non-Hispanic.....	491,000	424,300	376,600	47,600	8,000	58,800	49,000	9,800
Other.....	1,800	1,600	1,400	200	S	200	S	S

Appendix table 3-10

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Individuals in S&E and S&E-related occupations, by highest degree, occupation, sex, race/ethnicity, and employment status: 2003

Degree, occupation, sex, and race/ethnicity	All individuals	All employed	Employed			Not in labor force		
			Full time	Part time	Unemployed, seeking job	All not in labor force	Retired	Not seeking job
Scientists	556,500	488,400	438,200	50,200	9,500	58,600	46,100	12,500
Male	381,000	334,800	309,100	25,700	5,800	40,400	37,400	3,000
Female.....	175,500	153,500	129,000	24,500	3,700	18,200	8,700	9,500
Asian.....	94,800	86,700	82,300	4,400	2,100	6,000	3,400	2,600
American Indian/Alaska Native	3,400	3,000	2,600	400	S	300	200	100
Black, non-Hispanic	19,000	17,300	16,200	1,100	1,000	800	600	200
Hispanic.....	16,000	14,500	13,000	1,500	100	1,300	400	900
White, non-Hispanic	421,800	365,500	322,800	42,700	6,300	50,000	41,200	8,800
Other	1,600	1,400	1,200	S	S	200	S	S
Computer and mathematical scientists	96,100	86,400	80,500	5,900	1,600	8,000	6,800	1,200
Male	77,700	69,700	65,300	4,400	1,300	6,800	6,200	600
Female.....	18,400	16,800	15,300	1,500	400	1,200	600	600
Asian	25,100	23,700	22,700	1,000	600	800	400	400
American Indian/Alaska Native	300	300	200	S	S	S	S	S
Black, non-Hispanic	4,500	4,500	4,200	300	S	S	S	S
Hispanic.....	2,000	1,900	1,700	200	S	100	100	S
White, non-Hispanic	64,000	56,000	51,700	4,400	1,000	7,000	6,200	800
Other	100	100	100	S	S	S	S	S
Life and related scientists	196,000	171,600	160,900	10,700	3,800	20,500	16,300	4,300
Male	125,000	110,500	105,000	5,400	1,900	12,700	11,800	900
Female.....	71,000	61,200	55,900	5,300	2,000	7,800	4,400	3,400
Asian	40,000	37,200	36,000	1,200	900	1,800	1,500	400
American Indian/Alaska Native	900	900	800	S	S	100	S	S
Black, non-Hispanic	5,700	4,600	4,400	200	800	300	200	S
Hispanic.....	6,000	5,600	5,500	200	S	300	100	200
White, non-Hispanic	142,800	122,900	113,700	9,100	2,000	17,900	14,400	3,500
Other	500	400	400	S	S	S	S	S
Physical and related scientists	107,100	90,500	84,800	5,700	2,500	14,100	11,900	2,300
Male	91,300	77,300	72,800	4,500	2,100	12,000	11,100	800
Female.....	15,800	13,300	12,000	1,300	400	2,200	700	1,500
Asian	19,700	17,400	16,800	500	500	1,900	1,000	900
American Indian/Alaska Native	500	500	400	S	S	S	S	S
Black, non-Hispanic	1,500	1,400	1,400	100	100	100	S	S
Hispanic.....	2,000	1,900	1,800	100	S	100	100	S
White, non-Hispanic	83,200	69,200	64,200	5,000	1,900	12,100	10,700	1,300
Other	200	200	200	S	S	S	S	S
Social and related scientists.....	157,300	139,800	111,900	27,900	1,600	16,000	11,200	4,800
Male	87,000	77,400	66,000	11,400	600	9,000	8,200	800
Female.....	70,300	62,300	45,900	16,500	1,000	7,000	3,000	4,000
Asian	10,000	8,400	6,800	1,600	S	1,500	500	900
American Indian/Alaska Native	1,600	1,400	1,200	300	S	200	200	S
Black, non-Hispanic	7,200	6,800	6,200	600	100	300	300	S
Hispanic.....	5,900	5,100	4,000	1,100	S	800	100	700
White, non-Hispanic	131,700	117,400	93,200	24,200	1,400	13,000	9,900	3,100
Other	800	600	500	S	S	S	S	S
Engineers.....	107,200	93,400	87,700	5,700	3,300	10,500	9,000	1,400
Male	97,100	84,800	79,600	5,200	2,500	9,800	9,000	900
Female.....	10,000	8,600	8,100	500	700	600	S	600
Asian.....	32,500	29,400	28,900	600	1,500	1,500	1,100	400
American Indian/Alaska Native	400	400	400	S	S	S	S	S
Black, non-Hispanic	2,000	1,900	1,800	100	S	S	S	S
Hispanic.....	2,800	2,600	2,600	S	S	200	S	S
White, non-Hispanic	69,200	58,700	53,800	5,000	1,700	8,800	7,800	1,000
Other	300	300	200	S	S	S	S	S
S&E-related occupations	96,100	81,700	76,000	5,700	2,500	11,900	9,000	2,900
Male.....	63,000	51,900	49,000	2,900	1,900	9,100	7,900	1,300
Female.....	33,100	29,800	27,000	2,800	600	2,700	1,100	1,600
Asian.....	13,900	12,200	11,600	600	800	800	500	S

Appendix table 3-10

Individuals in S&E and S&E-related occupations, by highest degree, occupation, sex, race/ethnicity, and employment status: 2003

Degree, occupation, sex, and race/ethnicity	All individuals	All employed	Employed		Unemployed, seeking job	Not in labor force		
			Full time	Part time		All not in labor force	Retired	Not seeking job
American Indian/Alaska Native	300	300	300	S	S	S	S	S
Black, non-Hispanic	4,000	3,300	3,100	200	S	500	S	S
Hispanic	3,800	3,200	2,600	600	S	400	S	300
White, non-Hispanic	72,600	62,100	57,900	4,200	1,300	9,100	6,900	2,200
Other	1,500	600	600	S	S	S	S	S

S = suppressed for reasons of confidentiality and/or data reliability

^aIncludes professional degrees.

NOTE: For unemployed individuals and those not in labor force, occupation is for previous reported job.

SOURCE: National Science Foundation, Division of Science Resources Statistics, Scientists and Engineers Statistical Data System (SESTAT), preliminary estimates (2003), <http://sestat.nsf.gov>.

Appendix table 3-11

(Page 1 of 6)

Median annual salaries of U.S. individuals in S&E and S&E-related occupations, by highest degree, occupation, sex, race/ethnicity, and years since degree: 2003

(Dollars)

Degree, occupation, sex, and race/ethnicity	Employed individuals	Years since highest degree							
		<5	5-9	10-14	15-19	20-24	25-29	30-34	35+
All degree levels^a									
S&E occupations.....	69,500	52,000	65,000	72,000	78,000	80,000	76,800	80,000	82,000
Male.....	72,000	55,000	69,800	75,000	80,000	82,000	80,000	80,000	85,000
Female.....	58,000	45,500	58,000	64,000	70,000	66,000	62,000	63,000	60,000
Asian.....	71,000	58,000	75,000	80,000	81,000	80,000	78,500	82,900	75,000
American Indian/Alaska Native.....	60,000	55,000	56,000	64,000	54,000	75,000	82,900	82,000	90,000
Black, non-Hispanic.....	60,000	55,000	58,000	60,000	67,000	71,600	64,300	75,000	55,000
Hispanic.....	60,000	50,000	62,300	60,000	70,000	73,900	70,000	65,000	70,000
White, non-Hispanic.....	70,000	51,000	65,000	72,000	78,800	80,000	78,000	80,000	85,000
Other.....	61,000	42,500	61,000	70,000	81,000	62,000	78,000	89,000	67,300
Scientists.....	65,000	50,000	64,000	70,000	75,000	75,000	72,000	75,000	80,000
Male.....	70,000	53,000	69,000	75,000	80,000	78,000	75,000	78,000	86,000
Female.....	56,000	44,500	55,000	62,000	70,000	65,000	62,000	66,000	60,000
Asian.....	70,000	55,000	72,000	80,000	80,000	70,000	75,000	81,100	72,000
American Indian/Alaska Native.....	56,000	50,000	56,000	60,000	45,000	60,000	60,000	82,000	S
Black, non-Hispanic.....	58,000	53,000	55,000	59,000	65,000	63,900	65,000	64,000	65,000
Hispanic.....	55,000	46,000	60,000	55,000	70,000	66,000	60,000	45,000	70,000
White, non-Hispanic.....	66,000	48,000	62,000	70,000	76,000	75,000	72,000	75,000	83,000
Other.....	55,000	40,000	58,000	55,000	85,000	51,000	74,000	48,000	S
Computer and mathematical scientists.....	70,000	59,000	70,000	73,000	80,000	80,000	72,100	76,000	80,000
Male.....	74,000	60,000	72,000	75,000	83,000	80,500	77,000	80,000	85,000
Female.....	62,000	53,500	61,000	64,000	72,300	70,000	60,000	72,000	58,500
Asian.....	75,000	62,000	75,000	81,000	85,000	75,000	80,000	81,100	72,400
American Indian/Alaska Native.....	56,000	50,000	56,000	S	S	S	S	S	S
Black, non-Hispanic.....	60,000	56,000	60,000	64,000	63,000	70,000	64,300	64,000	S
Hispanic.....	60,000	54,000	65,000	60,000	78,000	65,000	60,000	45,000	69,000
White, non-Hispanic.....	70,500	58,000	70,000	72,000	80,000	80,000	72,000	78,000	80,400
Other.....	60,000	56,000	58,000	57,000	85,000	50,000	78,000	S	S
Life and related scientists.....	52,000	38,000	50,000	60,000	60,300	65,000	67,000	72,000	80,000
Male.....	55,000	39,900	50,000	61,500	60,300	69,500	69,000	73,000	92,000
Female.....	48,600	36,000	50,000	58,000	62,000	60,000	61,000	61,200	58,000
Asian.....	50,000	37,000	60,000	70,200	65,000	70,000	61,000	93,400	100,000
American Indian/Alaska Native.....	45,000	47,100	16,800	50,000	40,000	58,100	S	S	S
Black, non-Hispanic.....	53,000	50,000	54,000	47,000	75,000	56,000	53,700	121,000	40,000
Hispanic.....	50,000	36,000	49,000	55,000	62,000	73,000	86,000	75,000	70,000
White, non-Hispanic.....	53,000	38,000	50,000	60,000	60,300	65,000	68,000	68,000	90,000
Other.....	40,000	36,000	50,000	40,000	120,000	S	S	S	S
Physical and related scientists.....	60,000	42,300	55,000	66,000	71,000	67,000	77,000	66,000	78,000
Male.....	65,000	44,000	60,000	70,000	72,000	74,000	80,000	66,000	82,000
Female.....	47,500	42,000	48,000	55,500	70,000	51,900	70,000	60,000	65,700
Asian.....	60,000	40,000	65,500	77,000	65,000	56,800	60,000	65,000	65,700
American Indian/Alaska Native.....	60,000	36,000	45,000	S	S	S	S	S	S
Black, non-Hispanic.....	53,500	52,000	55,400	41,500	48,000	60,000	53,500	S	S
Hispanic.....	47,000	35,000	40,000	48,000	70,000	50,000	75,000	31,000	55,000
White, non-Hispanic.....	60,600	44,000	53,100	66,300	74,300	70,400	80,000	67,000	83,000
Other.....	40,000	38,000	72,000	S	S	S	S	S	S
Social and related scientists.....	57,000	43,000	51,000	61,000	70,000	65,000	75,000	80,000	80,000
Male.....	63,000	43,000	57,000	66,000	80,000	67,800	81,000	90,000	99,500
Female.....	50,000	43,000	50,000	60,000	60,000	61,800	70,000	50,000	70,000
Asian.....	61,000	54,000	67,000	66,000	60,000	70,000	75,000	175,000	S
American Indian/Alaska Native.....	60,000	137,500	60,000	60,000	54,000	60,000	S	S	S
Black, non-Hispanic.....	53,000	47,000	47,000	57,000	75,000	40,000	70,000	70,000	S
Hispanic.....	48,000	40,000	55,000	50,000	55,000	70,000	42,000	96,000	S
White, non-Hispanic.....	57,000	42,500	51,000	64,000	72,000	67,000	78,000	80,000	85,000
Other.....	43,000	40,000	48,000	S	S	S	S	S	S

Appendix table 3-11
Median annual salaries of U.S. individuals in S&E and S&E-related occupations, by highest degree, occupation, sex, race/ethnicity, and years since degree: 2003
 (Dollars)

Degree, occupation, sex, and race/ethnicity	Employed individuals	Years since highest degree							
		<5	5-9	10-14	15-19	20-24	25-29	30-34	35+
Engineers.....	74,000	59,500	70,000	77,000	80,000	85,000	83,600	85,000	85,000
Male.....	75,000	60,000	70,000	77,000	80,000	85,000	84,000	85,000	85,000
Female.....	65,000	54,700	67,000	77,000	72,000	76,000	75,000	24,300	59,000
Asian.....	75,000	60,000	80,000	78,300	86,000	80,000	80,400	84,000	86,300
American Indian/Alaska Native.....	75,000	56,000	70,000	96,000	72,000	S	S	S	S
Black, non-Hispanic.....	65,000	60,000	62,100	65,000	72,000	75,000	63,000	82,100	55,000
Hispanic.....	66,700	58,000	65,000	72,000	74,000	82,000	74,000	80,000	75,000
White, non-Hispanic.....	75,000	58,900	68,800	78,000	80,000	85,000	84,500	85,000	85,000
Other.....	73,000	53,500	84,200	82,400	72,000	70,000	90,000	89,000	75,000
S&E-related occupations.....	57,000	45,000	55,000	60,000	65,000	67,000	65,000	63,000	72,800
Male.....	70,000	45,000	60,000	80,000	80,000	86,000	82,000	80,000	90,000
Female.....	50,000	45,000	50,000	50,200	54,000	55,000	55,000	49,900	53,000
Asian.....	60,000	49,000	70,000	65,000	65,000	60,000	63,000	61,000	72,800
American Indian/Alaska Native.....	48,000	48,000	35,000	65,000	108,000	44,500	S	S	S
Black, non-Hispanic.....	50,000	46,000	48,000	50,000	53,000	55,000	57,200	55,000	50,000
Hispanic.....	50,000	36,500	50,000	58,000	57,000	62,000	62,000	75,000	72,000
White, non-Hispanic.....	58,000	45,000	54,000	60,000	69,000	72,000	65,000	65,000	73,000
Other.....	57,000	46,000	50,000	60,000	45,000	50,000	75,000	75,000	110,000
Bachelor's									
S&E occupations.....	65,000	48,000	62,000	69,100	75,000	77,300	72,000	75,000	80,000
Male.....	69,500	50,000	65,000	70,000	78,000	80,000	75,000	77,800	80,600
Female.....	55,000	43,000	55,000	60,000	69,900	65,200	60,000	56,000	60,000
Asian.....	67,000	50,000	70,000	75,000	80,000	73,000	75,000	79,000	72,000
American Indian/Alaska Native.....	57,000	47,100	56,000	65,000	45,000	76,000	S	S	S
Black, non-Hispanic.....	57,500	50,000	55,000	58,500	65,000	70,000	64,000	60,000	65,000
Hispanic.....	58,000	45,000	59,000	58,000	70,000	72,000	65,000	59,000	75,000
White, non-Hispanic.....	67,000	48,000	61,600	70,000	75,000	80,000	73,400	75,000	80,000
Other.....	58,000	40,000	58,500	59,000	72,000	51,000	60,000	89,000	75,000
Scientists.....	62,000	45,000	60,000	66,500	75,000	70,000	67,000	70,000	72,400
Male.....	66,200	48,000	63,400	70,000	78,000	74,400	70,000	70,000	76,200
Female.....	52,000	40,000	53,000	58,100	69,000	63,000	58,000	56,000	60,000
Asian.....	65,000	46,000	69,000	78,000	80,000	70,000	68,000	72,000	68,000
American Indian/Alaska Native.....	47,100	45,000	56,000	S	S	S	S	S	S
Black, non-Hispanic.....	55,000	46,000	52,000	57,600	65,000	62,900	64,000	50,000	S
Hispanic.....	51,000	40,000	59,000	52,300	67,000	60,000	60,000	45,000	57,500
White, non-Hispanic.....	63,000	45,000	60,000	67,000	75,000	73,000	68,000	70,000	78,600
Other.....	50,000	40,000	58,000	50,000	90,000	50,000	53,900	S	S
Computer and mathematical scientists....	68,000	52,000	65,000	70,000	79,000	76,800	70,000	75,000	79,100
Male.....	70,000	53,000	67,000	72,200	81,000	79,000	74,000	78,400	80,600
Female.....	60,000	48,300	58,000	60,000	71,000	70,000	60,000	71,200	57,000
Asian.....	70,000	50,000	69,000	79,900	82,600	70,000	70,000	90,000	70,000
American Indian/Alaska Native.....	56,000	S	56,000	S	S	S	S	S	S
Black, non-Hispanic.....	58,800	55,000	55,000	59,000	65,000	71,000	64,300	55,000	S
Hispanic.....	58,000	48,000	64,000	55,000	78,000	60,000	60,000	45,000	69,000
White, non-Hispanic.....	70,000	53,000	65,000	70,000	80,000	78,000	70,000	76,000	80,000
Other.....	56,900	48,000	58,000	50,000	90,000	50,000	46,400	S	S
Life and related scientists.....	42,000	30,000	40,000	48,000	46,000	52,000	56,000	53,000	50,000
Male.....	45,000	31,500	40,000	48,000	46,000	55,000	55,000	53,400	50,000
Female.....	40,000	28,900	42,000	48,000	45,000	52,000	56,000	48,000	54,000
Asian.....	34,800	30,000	48,000	S	34,800	58,000	60,000	S	S
American Indian/Alaska Native.....	45,000	S	S	S	S	S	S	S	S
Black, non-Hispanic.....	47,000	40,000	S	50,000	S	47,000	S	S	S
Hispanic.....	40,000	32,000	48,600	42,000	S	S	S	S	S
White, non-Hispanic.....	43,800	30,000	40,000	48,000	46,000	51,000	56,000	53,000	52,800
Other.....	36,000	23,500	50,000	S	S	S	S	S	S

Appendix table 3-11

(Page 3 of 6)

Median annual salaries of U.S. individuals in S&E and S&E-related occupations, by highest degree, occupation, sex, race/ethnicity, and years since degree: 2003

(Dollars)

Degree, occupation, sex, and race/ethnicity	Employed individuals	Years since highest degree							
		<5	5-9	10-14	15-19	20-24	25-29	30-34	35+
Physical and related scientists	47,000	38,000	45,600	52,000	65,000	55,000	58,700	55,000	60,000
Male	50,000	35,000	50,000	53,000	65,000	58,000	55,000	52,000	60,000
Female.....	44,500	38,700	42,000	45,000	66,700	44,500	65,000	S	54,000
Asian.....	45,000	40,000	S	S	64,600	30,000	S	S	54,000
American Indian/Alaska Native	47,000	S	S	S	S	S	S	S	S
Black, non-Hispanic	50,000	35,000	50,000	S	S	S	43,000	S	S
Hispanic.....	40,000	28,000	38,600	42,000	S	S	S	S	S
White, non-Hispanic	49,000	40,000	45,100	52,000	66,700	58,000	63,000	60,000	67,000
Other	38,000	38,000	S	S	S	S	S	S	S
Social and related scientists.....	45,000	36,000	46,000	58,000	69,800	52,000	73,800	49,000	78,600
Male	50,000	35,800	44,000	58,000	75,000	52,000	84,000	90,000	85,000
Female.....	43,000	36,000	48,000	63,500	65,000	61,800	41,000	35,000	S
Asian.....	60,000	40,400	S	S	S	S	S	S	S
American Indian/Alaska Native	S	S	S	S	S	S	S	S	S
Black, non-Hispanic	40,000	36,000	S	S	S	S	S	S	S
Hispanic.....	45,000	30,000	50,000	50,000	S	S	S	S	S
White, non-Hispanic	47,000	36,000	44,000	58,000	70,000	52,000	84,000	39,000	85,000
Other	S	S	S	S	S	S	S	S	S
Engineers.....	70,000	53,000	65,000	71,200	76,900	83,600	80,000	80,000	84,000
Male	70,500	53,000	65,000	72,000	78,000	85,000	80,000	80,000	84,000
Female.....	60,200	52,000	60,200	69,300	70,000	76,000	75,000	50,300	S
Asian.....	69,000	55,000	80,000	67,500	80,000	80,000	75,000	80,000	79,000
American Indian/Alaska Native	75,000	59,200	70,000	96,000	72,000	S	S	S	S
Black, non-Hispanic	64,000	55,000	57,000	60,000	70,000	75,000	63,000	82,100	S
Hispanic.....	64,000	51,900	58,200	68,000	72,000	80,500	74,000	76,000	75,000
White, non-Hispanic	70,000	52,000	64,000	72,000	78,000	85,000	80,000	80,000	85,000
Other	72,000	45,000	90,000	90,000	72,000	69,000	60,000	89,000	S
S&E-related occupations	50,000	40,000	48,000	50,000	55,000	57,000	56,000	53,000	55,000
Male.....	57,500	40,000	50,000	60,000	64,000	70,000	66,000	65,000	70,000
Female.....	47,000	40,200	46,000	47,000	50,000	52,000	51,000	48,000	50,000
Asian.....	52,000	42,000	60,000	50,000	50,000	52,000	55,000	52,000	52,000
American Indian/Alaska Native	46,000	45,000	35,000	46,500	S	44,500	S	S	S
Black, non-Hispanic	46,000	41,000	41,000	46,000	48,000	54,000	50,000	49,000	44,000
Hispanic.....	42,000	35,000	44,000	42,100	48,000	52,000	54,000	30,700	43,800
White, non-Hispanic	50,000	40,000	47,000	52,000	60,000	60,000	56,200	53,000	56,700
Other.....	50,000	45,000	42,000	60,000	45,000	49,300	75,000	38,000	S
Master's									
S&E occupations	72,100	60,000	75,000	78,000	83,000	80,000	80,000	80,000	80,000
Male.....	78,000	65,000	80,000	82,000	86,000	85,000	82,000	82,700	87,300
Female.....	60,000	50,000	61,000	66,300	68,000	65,000	70,000	59,800	50,000
Asian.....	75,000	64,800	80,000	82,000	90,000	82,000	80,000	82,000	91,000
American Indian/Alaska Native	60,000	130,000	S	S	S	S	S	S	S
Black, non-Hispanic	65,000	60,000	72,600	66,000	63,000	75,000	75,700	102,000	S
Hispanic.....	65,000	55,000	72,000	65,000	70,000	86,000	60,000	70,000	S
White, non-Hispanic	72,000	60,000	72,100	75,000	82,000	80,000	80,600	80,000	80,000
Other.....	73,000	57,000	76,000	82,400	85,000	90,000	80,000	S	65,000
Scientists.....	69,000	56,000	73,000	74,000	79,000	75,000	75,000	67,800	71,600
Male.....	75,000	62,000	80,000	80,000	85,000	82,000	77,000	68,000	84,900
Female.....	57,000	50,000	57,900	65,000	65,000	65,000	70,000	66,000	54,000
Asian.....	75,000	65,000	80,000	82,000	90,000	70,000	79,900	80,000	80,000
American Indian/Alaska Native	60,000	130,000	S	S	S	S	S	S	S
Black, non-Hispanic	63,000	58,000	65,000	64,000	63,000	65,000	77,600	S	S
Hispanic.....	55,500	55,000	60,000	54,400	65,000	83,000	60,000	62,000	S
White, non-Hispanic	68,000	51,000	71,000	70,000	75,000	76,000	75,000	66,000	79,000
Other.....	70,000	56,000	76,000	75,000	85,000	58,000	75,000	S	S

Appendix table 3-11

Median annual salaries of U.S. individuals in S&E and S&E-related occupations, by highest degree, occupation, sex, race/ethnicity, and years since degree: 2003

(Dollars)

Degree, occupation, sex, and race/ethnicity	Employed individuals	Years since highest degree							
		<5	5-9	10-14	15-19	20-24	25-29	30-34	35+
Computer and mathematical scientists....	77,000	66,000	80,000	80,000	85,000	85,000	80,000	80,000	84,000
Male	80,000	70,000	85,000	86,200	88,000	87,300	80,000	80,000	87,300
Female.....	66,500	60,000	69,000	72,000	75,000	72,500	75,000	80,000	70,000
Asian	77,000	67,000	80,000	85,000	90,000	82,000	93,000	80,000	S
American Indian/Alaska Native	80,000	S	S	S	S	S	S	S	S
Black, non-Hispanic	70,000	65,000	75,000	76,000	63,000	62,400	78,000	S	S
Hispanic.....	65,000	55,000	73,000	65,000	S	80,000	S	S	S
White, non-Hispanic	78,000	66,000	80,000	80,000	84,000	87,000	80,000	80,000	84,000
Other	80,000	65,000	84,000	106,000	85,000	S	S	S	S
Life and related scientists	50,000	41,000	51,500	55,000	54,000	54,500	51,000	50,000	70,000
Male	52,000	40,000	60,000	59,000	54,000	52,000	51,000	48,000	70,000
Female.....	46,000	41,000	47,000	50,000	55,000	56,800	55,000	68,000	39,300
Asian	50,000	36,000	65,000	42,000	72,000	S	S	S	S
American Indian/Alaska Native	S	S	S	S	S	S	S	S	S
Black, non-Hispanic	54,000	62,000	54,000	44,900	S	S	S	S	S
Hispanic.....	56,000	35,000	S	53,000	S	S	S	S	S
White, non-Hispanic	49,700	40,000	50,000	58,200	54,000	55,000	64,500	50,000	40,000
Other	39,000	36,000	S	S	S	S	S	S	S
Physical and related scientists	65,500	46,000	60,000	66,300	85,000	84,000	84,000	65,000	84,900
Male	70,000	48,500	60,000	75,000	85,000	85,000	85,000	65,000	84,900
Female.....	59,000	45,000	62,000	64,000	80,000	65,000	70,000	S	S
Asian	55,000	20,400	65,500	66,000	S	56,800	S	S	S
American Indian/Alaska Native	S	S	S	S	S	S	S	S	S
Black, non-Hispanic	65,000	74,000	S	S	S	S	S	S	S
Hispanic.....	50,000	45,700	S	54,400	S	S	S	S	S
White, non-Hispanic	69,000	49,000	60,000	66,300	85,000	85,000	89,000	55,000	80,000
Other	70,000	56,000	S	S	S	S	S	S	S
Social and related scientists.....	53,000	41,200	50,000	57,000	70,000	60,000	68,000	80,000	71,000
Male	60,000	44,600	58,000	61,000	87,700	60,000	70,000	95,000	99,500
Female.....	48,500	41,000	44,000	52,000	57,000	56,000	66,000	66,000	50,000
Asian	57,000	54,000	65,000	S	S	S	S	S	S
American Indian/Alaska Native	60,000	S	S	S	S	S	S	S	S
Black, non-Hispanic	58,000	58,000	50,000	S	S	65,000	S	S	S
Hispanic.....	43,700	43,000	44,400	S	S	S	S	S	S
White, non-Hispanic	51,600	40,000	48,000	56,500	70,000	60,000	70,000	75,000	71,000
Other	58,000	75,000	38,000	S	S	S	S	S	S
Engineers.....	80,000	68,000	78,000	85,000	89,000	86,000	90,000	90,000	88,000
Male	80,000	70,000	78,000	85,000	89,000	87,000	90,000	90,000	90,000
Female.....	70,000	60,000	75,000	82,400	82,100	70,000	78,500	S	S
Asian.....	76,000	62,000	80,000	80,000	91,000	90,000	89,000	86,400	100,000
American Indian/Alaska Native	S	S	S	S	S	S	S	S	S
Black, non-Hispanic	77,000	70,000	77,400	91,000	82,100	93,000	S	S	S
Hispanic.....	75,000	67,000	73,200	98,000	93,000	87,000	70,000	S	S
White, non-Hispanic	80,000	70,000	75,000	85,000	89,000	85,000	90,000	90,000	90,000
Other	80,000	60,000	84,000	82,400	S	S	S	S	100,000
S&E-related occupations	56,000	50,000	60,000	63,000	60,000	62,000	65,000	60,000	65,000
Male.....	60,000	50,000	60,000	77,000	63,000	73,000	74,500	66,000	75,000
Female.....	53,000	49,300	58,000	55,700	58,300	54,000	60,000	50,000	53,000
Asian.....	64,000	58,000	65,000	77,000	70,000	55,000	70,000	52,000	S
American Indian/Alaska Native	50,000	64,000	S	S	S	S	S	S	S
Black, non-Hispanic	53,000	50,000	54,000	55,300	53,000	55,000	67,200	55,000	S
Hispanic.....	48,000	40,000	65,000	55,000	54,800	60,000	40,000	S	S
White, non-Hispanic	57,000	50,000	59,000	61,900	60,000	65,000	65,000	60,000	68,000
Other.....	59,000	47,000	50,000	S	65,000	61,000	S	S	S

Appendix table 3-11

(Page 5 of 6)

Median annual salaries of U.S. individuals in S&E and S&E-related occupations, by highest degree, occupation, sex, race/ethnicity, and years since degree: 2003

(Dollars)

Degree, occupation, sex, and race/ethnicity	Employed individuals	Years since highest degree							
		<5	5-9	10-14	15-19	20-24	25-29	30-34	35+
Doctoral									
S&E occupations	75,000	53,000	70,000	78,000	82,000	87,000	91,000	95,000	100,000
Male.....	80,000	58,000	75,000	82,000	85,000	90,000	95,000	96,000	100,000
Female.....	61,000	50,000	60,000	70,000	74,000	76,000	80,000	82,000	90,000
Asian.....	76,000	58,000	76,300	85,000	80,000	97,000	100,000	94,000	100,900
American Indian/Alaska Native	72,000	49,000	65,000	66,800	80,000	72,600	81,000	90,000	S
Black, non-Hispanic	60,000	50,000	65,000	60,000	72,000	75,000	78,100	93,500	66,600
Hispanic.....	65,000	48,000	62,000	74,000	78,000	75,000	89,000	91,000	97,500
White, non-Hispanic	75,000	53,000	70,000	75,600	83,700	86,000	91,000	95,000	100,000
Other.....	55,000	62,500	53,000	S	S	65,000	S	S	S
Scientists	71,400	50,000	65,600	73,500	80,000	84,500	88,000	90,000	98,000
Male	76,000	52,500	70,000	77,000	82,000	87,000	90,000	90,500	99,600
Female.....	60,000	48,700	60,000	68,400	73,000	75,000	80,000	80,000	90,000
Asian.....	71,000	50,000	72,000	82,000	75,500	88,000	90,000	92,000	100,000
American Indian/Alaska Native	72,000	55,000	63,700	66,800	80,000	72,600	81,000	82,000	S
Black, non-Hispanic	58,000	48,000	64,000	60,000	72,000	72,000	75,000	82,000	66,600
Hispanic.....	61,100	45,500	60,200	74,000	78,000	70,000	87,000	92,000	97,500
White, non-Hispanic	72,200	51,000	65,000	72,000	80,000	85,000	89,000	90,000	99,000
Other	53,000	62,600	53,000	S	S	S	S	S	S
Computer and mathematical scientists....	79,000	65,000	80,000	80,000	80,000	90,000	90,000	80,000	104,000
Male	81,000	71,000	82,000	80,000	82,000	90,000	93,000	80,000	105,000
Female.....	63,000	49,000	71,000	74,500	70,000	83,000	72,700	89,000	S
Asian	80,000	75,000	85,000	85,000	76,000	108,800	100,000	68,500	S
American Indian/Alaska Native	89,000	S	S	S	S	S	S	S	S
Black, non-Hispanic	40,000	40,000	75,000	50,000	72,000	S	S	68,000	S
Hispanic.....	67,000	45,500	67,000	89,000	76,000	65,200	89,000	S	S
White, non-Hispanic	80,000	63,000	78,200	79,000	85,000	88,000	90,000	81,000	104,400
Other	50,000	S	S	S	S	S	S	S	S
Life and related scientists	67,900	42,700	60,000	73,000	80,000	84,200	90,000	96,000	98,000
Male	72,000	42,500	65,000	74,000	82,600	88,100	91,000	98,700	100,000
Female.....	60,000	43,000	60,000	71,000	77,000	73,000	85,000	84,000	89,600
Asian	60,000	42,000	58,600	75,500	75,000	90,000	100,000	93,400	120,000
American Indian/Alaska Native	75,000	59,000	72,000	72,400	S	75,000	S	S	S
Black, non-Hispanic	60,000	55,000	59,900	50,000	74,000	72,000	76,000	110,000	8,000
Hispanic.....	55,000	40,000	60,000	70,000	69,000	88,000	S	140,000	S
White, non-Hispanic	70,000	44,000	60,000	72,000	84,000	84,200	90,000	96,000	95,000
Other	53,000	42,000	53,000	S	S	S	S	S	S
Physical and related scientists	79,000	55,600	73,000	81,500	85,000	90,000	96,000	95,000	95,000
Male	80,000	56,000	75,000	82,500	86,000	92,000	100,000	95,000	95,000
Female.....	66,000	55,000	63,000	70,000	79,000	75,000	70,000	76,500	92,100
Asian	76,000	54,000	80,000	84,000	87,000	80,000	90,000	100,000	80,000
American Indian/Alaska Native	64,000	S	S	S	S	S	S	S	S
Black, non-Hispanic	70,000	74,500	67,000	60,000	86,000	72,000	S	S	S
Hispanic.....	72,500	58,000	68,300	83,000	82,000	70,000	80,000	S	S
White, non-Hispanic	80,000	56,000	72,000	80,000	84,400	93,000	97,800	94,600	95,000
Other	76,000	S	S	S	S	S	S	S	S
Social and related scientists.....	67,300	51,400	60,000	68,000	75,000	80,000	84,000	87,100	100,000
Male	72,000	52,500	60,000	70,000	78,000	80,000	85,000	88,000	100,000
Female.....	61,000	50,000	59,000	64,300	70,000	74,000	80,000	78,200	100,000
Asian	68,000	61,400	64,000	84,200	76,000	82,500	76,500	86,000	S
American Indian/Alaska Native	60,000	47,000	55,000	63,100	75,000	60,000	S	S	S
Black, non-Hispanic	60,000	50,000	63,300	60,100	72,000	70,000	70,000	93,500	S
Hispanic.....	60,500	48,100	55,400	65,000	81,400	70,000	87,000	89,000	S
White, non-Hispanic	68,000	51,000	60,000	67,800	74,800	80,000	85,000	86,100	100,000
Other	48,000	65,000	35,000	S	S	S	S	S	S

Appendix table 3-11

(Page 6 of 6)

Median annual salaries of U.S. individuals in S&E and S&E-related occupations, by highest degree, occupation, sex, race/ethnicity, and years since degree: 2003

(Dollars)

Degree, occupation, sex, and race/ethnicity	Employed individuals	Years since highest degree							
		<5	5-9	10-14	15-19	20-24	25-29	30-34	35+
Engineers.....	90,000	73,200	85,000	95,000	100,000	100,000	105,000	112,000	106,500
Male.....	90,000	75,000	85,500	95,000	100,000	100,000	105,000	112,300	106,500
Female.....	80,000	65,000	80,000	96,000	90,000	104,000	103,400	S	S
Asian.....	90,000	74,000	88,000	95,000	90,000	103,000	103,000	110,000	110,000
American Indian/Alaska Native.....	50,000	S	S	S	S	S	S	S	S
Black, non-Hispanic.....	81,000	79,000	72,000	81,300	70,000	98,000	100,000	S	S
Hispanic.....	80,000	70,000	91,000	80,000	80,000	130,000	94,500	S	S
White, non-Hispanic.....	91,000	75,000	85,000	98,000	102,000	102,000	105,000	112,800	106,500
Other.....	68,000	S	S	S	S	S	S	S	S
S&E-related occupations.....	85,000	50,000	70,000	90,000	113,000	90,000	110,000	120,000	140,000
Male.....	100,000	70,000	85,600	106,000	127,000	90,000	112,000	130,000	150,000
Female.....	55,000	50,000	55,000	55,000	73,000	78,000	85,000	100,000	S
Asian.....	86,000	40,000	96,000	90,000	80,000	142,000	100,000	171,000	S
American Indian/Alaska Native.....	72,000	67,000	S	S	S	S	S	S	S
Black, non-Hispanic.....	71,000	52,500	45,000	160,000	73,800	71,000	111,200	S	S
Hispanic.....	85,000	180,000	75,000	62,000	150,000	19,000	137,000	S	S
White, non-Hispanic.....	85,000	50,000	63,000	87,000	113,000	90,000	110,000	120,000	126,000
Other.....	280,000	S	S	S	S	S	S	S	S

S = suppressed for reasons of confidentiality and/or data reliability

*Includes professional degrees.

NOTES: Includes only full-time employed with salary > 0. Very large or very small values may reflect very small sample sizes and should be interpreted with caution.

SOURCE: National Science Foundation, Division of Science Resources Statistics, Scientists and Engineers Statistical Data System (SESTAT), preliminary estimates (2003), <http://sestat.nsf.gov>.

Appendix table 3-12

Median annual salaries of individuals employed in S&E occupations, by occupation and highest degree: 2003

(Dollars)

Occupation	Employed individuals	Highest degree			
		Bachelor's	Master's	Doctoral	Professional
All S&E occupations	70,000	65,000	73,000	75,000	90,000
Scientists	65,000	62,000	69,000	71,000	90,000
Computer and mathematical scientists	70,000	68,000	77,000	79,000	79,000
Computer and information scientists	70,000	69,000	80,000	87,000	75,000
Mathematical scientists	73,000	60,000	72,000	88,000	110,000
Postsecondary teachers	51,000	38,000	45,000	62,000	S
Life and related scientists	52,000	42,000	50,000	68,000	108,000
Agricultural and food scientists	48,000	46,000	47,000	72,000	S
Biological scientists	50,000	41,000	54,000	67,000	100,000
Environmental life scientists	48,000	50,000	42,000	63,000	S
Postsecondary teachers	60,000	40,000	47,000	67,000	115,000
Physical and related scientists	60,000	47,000	66,000	79,000	67,000
Chemists, except biochemists	60,000	50,000	66,000	85,000	S
Earth scientists, geologists, and oceanographers	64,000	54,000	75,000	80,000	S
Physicists and astronomers	83,000	50,000	70,000	90,000	S
Other	49,000	40,000	65,000	80,000	S
Postsecondary teachers	55,000	25,000	45,000	64,000	S
Social and related scientists	57,000	45,000	53,000	67,000	70,000
Economists	89,000	60,000	89,000	105,000	S
Political scientists	43,000	40,000	40,000	75,000	S
Psychologists	54,000	31,000	48,000	70,000	70,000
Sociologists and anthropologists	50,000	32,000	50,000	64,000	S
Other	56,000	50,000	65,000	70,000	40,000
Postsecondary teachers	56,000	36,000	44,000	61,000	58,000
Engineers	74,000	70,000	80,000	90,000	88,000
Aerospace and related engineers	82,000	81,000	82,000	96,000	S
Chemical engineers	78,000	72,000	82,000	90,000	S
Civil and architectural engineers	68,000	65,000	72,000	78,000	S
Electrical and related engineers	80,000	75,000	86,000	102,000	S
Industrial engineers	65,000	62,000	72,000	73,000	S
Mechanical engineers	72,000	70,000	78,000	90,000	S
Other	72,000	70,000	80,000	85,000	S
Postsecondary teachers	72,000	38,000	65,000	81,000	S

S = suppressed for reasons of confidentiality and/or data reliability

NOTE: Only full-time employed with salary > 0.

SOURCE: National Science Foundation, Division of Science Resources Statistics, Scientists and Engineers Statistical Data System (SESTAT), preliminary estimates (2003), <http://sestat.nsf.gov>.

Individuals in labor force with S&E or S&E-related highest degrees, by highest degree, degree field, sex, race/ethnicity, and age: 2003

Degree, field, sex, and race/ethnicity	All ages	Age (years)									
		<25	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65+
All degree levels ^a											
S&E fields	10,001,500	304,000	1,191,600	1,441,100	1,365,900	1,446,200	1,340,600	1,251,700	892,700	475,700	292,100
Male	6,408,700	131,200	627,800	892,900	866,700	956,200	864,300	841,400	641,400	355,300	231,600
Female	3,592,800	172,800	563,800	548,300	499,200	490,000	476,400	410,300	251,300	120,400	60,500
Asian	1,147,500	45,800	175,100	214,400	187,100	173,900	122,900	98,800	68,300	41,800	19,500
American Indian/Alaska Native	43,200	700	3,700	5,500	6,800	9,600	8,000	3,800	2,400	1,800	1,000
Black, non-Hispanic	564,900	18,100	78,000	94,600	76,400	80,900	77,200	72,700	42,200	16,200	8,600
Hispanic	538,400	21,400	75,600	100,100	95,100	89,400	62,300	42,700	25,300	15,500	11,000
White, non-Hispanic	7,536,600	209,000	831,100	997,200	969,300	1,071,700	1,053,200	1,020,000	739,400	395,900	249,900
Other	171,000	9,100	28,100	29,400	31,100	20,700	17,000	13,700	15,100	4,500	2,100
Science	7,562,400	263,000	951,800	1,107,700	998,400	1,019,700	1,000,400	1,005,400	683,100	331,800	201,100
Male	4,255,700	100,700	438,100	610,500	555,600	591,300	554,300	610,800	438,100	214,800	141,600
Female	3,306,700	162,300	513,800	497,200	442,700	428,400	446,100	394,600	245,000	117,000	59,500
Asian	736,100	35,400	120,300	137,800	112,600	110,600	77,700	64,900	42,300	24,100	10,400
American Indian/Alaska Native	37,600	600	3,400	4,900	5,900	8,000	7,500	3,400	2,300	1,400	300
Black, non-Hispanic	485,900	16,200	66,800	79,000	64,400	64,400	68,600	66,400	37,800	14,100	8,200
Hispanic	403,800	19,600	60,700	75,500	69,000	60,900	46,900	32,200	20,400	11,000	7,500
White, non-Hispanic	5,768,600	183,400	677,700	787,500	726,400	759,000	786,600	827,400	569,400	277,900	173,400
Other	130,400	7,800	23,000	23,000	20,200	16,800	13,200	11,100	10,900	3,200	1,300
Computer and mathematical sciences	1,514,200	39,700	178,100	241,000	261,500	287,900	180,900	156,000	99,300	49,200	20,500
Male	1,017,400	25,700	121,600	163,000	166,200	195,500	119,500	108,600	68,800	32,700	15,900
Female	496,800	14,000	56,500	78,000	95,300	92,300	61,400	47,400	30,500	16,600	4,700
Asian	269,800	10,300	50,800	68,900	48,500	42,300	23,700	14,400	6,900	3,000	1,000
American Indian/Alaska Native	8,600	S	S	S	S	2,400	S	S	S	S	S
Black, non-Hispanic	98,900	1,500	13,500	18,100	16,800	17,100	13,000	8,000	8,300	1,600	900
Hispanic	66,800	1,900	10,300	12,200	12,700	13,500	6,600	2,800	3,400	2,300	1,000
White, non-Hispanic	1,044,800	24,900	98,200	138,000	175,700	206,900	132,300	129,300	80,200	41,900	17,400
Other	25,200	1,000	3,200	3,000	7,500	5,600	2,500	1,500	S	S	S
Biological, agricultural, and environmental life sciences	1,539,300	47,200	239,100	213,900	166,600	203,400	238,200	206,000	127,300	60,800	36,900
Male	871,500	16,000	98,700	108,500	97,200	115,600	134,100	140,400	88,800	42,500	29,600
Female	667,900	31,200	140,400	105,400	69,400	87,700	104,100	65,600	38,400	18,300	7,400
Asian	155,000	7,600	27,200	23,300	19,500	22,100	19,600	17,200	7,900	7,400	3,100
American Indian/Alaska Native	7,900	S	700	600	1,800	1,100	1,000	900	1,200	S	S
Black, non-Hispanic	65,100	2,500	12,900	12,700	6,100	8,500	11,300	5,400	3,000	1,600	1,100
Hispanic	83,500	2,600	14,300	14,000	17,000	12,200	10,100	8,600	2,300	1,200	1,200
White, non-Hispanic	1,205,800	33,000	177,300	161,600	119,400	157,100	194,400	171,300	111,300	48,900	31,400
Other	22,100	S	6,800	1,700	2,900	2,300	1,700	2,700	1,400	S	S
Physical and related sciences	719,500	13,700	63,600	84,100	79,900	113,700	103,800	98,200	77,600	47,600	37,300
Male	531,400	6,500	37,900	61,400	55,800	77,900	75,400	80,600	67,600	36,600	31,700
Female	188,200	7,200	25,700	22,700	24,100	35,900	28,300	17,600	10,100	11,000	5,600

Individuals in labor force with S&E or S&E-related highest degrees, by highest degree, degree field, sex, race/ethnicity, and age: 2003

Degree, field, sex, and race/ethnicity	All ages	Age (years)									
		<25	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65+
Asian	105,200	1,100	9,300	14,700	13,900	16,000	15,800	12,400	12,100	7,200	2,600
American Indian/Alaska Native	2,400	S	100	S	400	1,200	S	S	S	S	S
Black, non-Hispanic	21,900	600	1,900	3,700	2,800	3,200	4,400	2,500	1,200	1,100	500
Hispanic	32,100	300	2,100	5,800	4,500	5,000	5,300	1,800	2,500	2,000	2,700
White, non-Hispanic	551,700	11,000	48,300	58,900	58,000	87,600	77,400	80,800	61,300	36,900	31,500
Other	6,300	500	2,000	800	200	800	800	500	S	S	S
Social and related sciences	3,789,300	162,500	471,000	568,700	490,300	414,700	477,500	545,200	378,900	174,200	106,300
Male	1,835,500	52,500	179,900	277,700	236,400	202,200	225,200	281,200	212,900	103,000	64,500
Female	1,953,900	110,000	291,100	291,000	254,000	212,500	252,300	264,000	165,900	71,100	41,800
Asian	206,100	16,300	33,000	31,000	30,600	30,300	18,600	20,900	15,300	6,500	3,700
American Indian/Alaska Native	18,700	S	500	3,400	3,400	3,300	3,600	2,300	900	800	200
Black, non-Hispanic	300,000	11,600	38,600	44,500	38,800	35,500	39,900	50,500	25,200	9,800	5,700
Hispanic	221,400	14,800	33,900	43,500	34,800	30,200	24,900	19,100	12,200	5,400	2,600
White, non-Hispanic	2,966,300	114,500	353,900	429,000	373,200	307,300	382,500	446,000	316,600	150,300	93,000
Other	76,900	4,900	11,100	17,500	9,500	8,100	8,200	6,400	8,800	1,400	1,000
Engineering	2,439,200	40,900	239,800	333,400	367,500	426,500	340,200	246,300	209,600	143,900	91,100
Male	2,153,000	30,500	189,700	282,300	311,100	365,000	309,900	230,600	203,300	140,500	90,000
Female	286,200	10,400	50,100	51,100	56,400	61,600	30,200	15,700	6,300	3,400	1,000
Asian	411,400	10,400	54,800	76,600	74,500	63,200	45,100	33,900	26,000	17,700	9,100
American Indian/Alaska Native	5,600	S	300	600	900	1,600	600	S	S	300	S
Black, non-Hispanic	79,000	1,800	11,100	15,500	12,100	16,500	8,700	6,300	4,400	2,100	S
Hispanic	134,600	1,800	14,900	24,600	26,100	28,500	15,400	10,500	4,800	4,500	3,400
White, non-Hispanic	1,768,000	25,600	153,500	209,700	243,000	312,700	266,600	192,500	170,000	117,900	76,500
Other	40,500	1,300	5,100	6,400	11,000	3,900	3,800	2,600	4,200	1,300	800
S&E-related fields	4,460,800	33,700	343,100	610,400	603,200	709,600	732,800	665,700	403,800	215,100	143,400
Male	1,952,300	3,300	105,600	258,300	242,900	300,700	291,500	306,500	220,500	121,700	101,500
Female	2,508,500	30,400	237,500	352,100	360,400	408,900	441,300	359,200	183,400	93,400	42,000
Asian	430,400	S	37,400	73,400	61,700	73,600	61,100	50,800	36,200	21,500	12,800
American Indian/Alaska Native	16,900	S	S	1,400	2,900	1,900	2,800	3,300	1,600	S	S
Black, non-Hispanic	243,800	2,000	21,500	28,400	37,000	44,400	45,400	27,500	20,700	10,500	6,500
Hispanic	252,600	1,100	21,500	31,300	41,800	53,600	41,000	31,300	16,600	7,000	7,500
White, non-Hispanic	3,444,100	26,700	249,700	459,700	453,700	526,100	572,900	543,000	326,000	173,900	112,500
Other	73,100	S	11,800	16,200	6,200	10,100	9,700	9,700	2,800	1,600	3,600
Bachelor's											
S&E fields	7,263,500	291,200	1,017,400	1,093,700	995,300	1,041,400	947,700	865,800	567,900	275,000	168,200
Male	4,606,500	123,900	534,000	690,500	632,800	682,800	610,000	581,200	407,200	206,400	137,900
Female	2,657,000	167,300	483,400	403,300	362,500	358,600	337,800	284,500	160,700	68,600	30,300
Asian	650,000	41,500	116,200	115,200	92,400	89,600	68,600	58,500	36,700	21,400	10,100
American Indian/Alaska Native	33,500	700	3,500	4,500	5,500	8,600	6,400	2,000	1,500	800	S
Black, non-Hispanic	453,300	17,700	68,300	79,800	58,700	64,700	60,900	55,100	34,300	10,000	3,600
Hispanic	427,700	20,500	69,000	83,000	74,500	69,100	47,500	29,600	17,300	10,200	7,100
White, non-Hispanic	5,561,400	202,000	735,600	785,400	737,600	792,600	752,500	711,700	467,600	230,300	146,200
Other	137,600	8,800	24,800	25,700	26,700	16,900	11,800	8,900	10,500	2,400	1,100

Individuals in labor force with S&E or S&E-related highest degrees, by highest degree, degree field, sex, race/ethnicity, and age: 2003

Degree, field, sex, and race/ethnicity	All ages	Age (years)									
		<25	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65+
Science.....	5,509,900	254,500	833,000	849,400	734,300	732,900	702,400	692,500	429,600	176,800	104,600
Male	3,053,200	96,200	387,700	482,000	412,900	417,700	382,800	416,800	272,000	110,200	74,800
Female	2,456,700	158,300	445,300	367,300	321,400	315,300	319,500	275,700	157,600	66,500	29,800
Asian.....	422,700	33,000	87,100	75,000	52,000	55,200	42,400	38,300	23,200	12,200	4,300
American Indian/Alaska Native.....	29,000	600	3,200	4,000	4,600	7,200	5,900	1,700	1,400	S	S
Black, non-Hispanic.....	390,300	15,900	59,200	66,400	50,100	50,500	54,400	50,400	31,000	9,000	3,300
Hispanic.....	322,600	19,000	55,800	64,300	54,600	46,800	35,500	22,300	13,400	6,600	4,400
White, non-Hispanic.....	4,239,800	178,400	606,300	619,400	556,000	559,700	555,200	573,200	352,600	147,000	92,000
Other.....	105,500	7,600	21,300	20,300	17,000	13,600	9,100	6,600	8,000	1,500	S
Computer and mathematical sciences.....	1,060,800	37,400	143,300	175,200	184,600	206,900	119,200	99,500	52,800	29,700	12,200
Male	703,500	24,300	98,800	122,000	117,800	136,700	78,200	66,900	33,300	16,500	9,100
Female	357,300	13,100	44,500	53,200	66,800	70,200	41,000	32,700	19,500	13,300	3,100
Asian.....	126,800	9,200	30,600	32,500	16,200	18,900	10,200	5,300	2,300	S	S
American Indian/Alaska Native.....	7,200	S	S	S	S	2,400	S	S	S	S	S
Black, non-Hispanic.....	78,600	1,500	10,400	16,400	13,200	14,000	9,100	5,600	7,000	S	S
Hispanic.....	55,300	1,800	9,800	9,900	10,000	10,600	5,600	2,400	2,200	S	S
White, non-Hispanic.....	773,900	24,000	87,200	112,800	139,300	157,000	90,100	86,300	41,200	25,600	10,400
Other.....	19,000	900	3,100	2,800	5,900	4,000	2,100	S	S	S	S
Biological, agricultural, and environmental life sciences.....	1,118,900	45,400	215,700	157,700	110,400	140,300	172,600	146,500	77,400	31,000	21,800
Male	618,000	14,700	90,100	84,500	67,100	75,500	96,400	99,100	54,200	19,300	17,200
Female	500,900	30,800	125,600	73,200	43,300	64,900	76,300	47,300	23,100	11,700	4,600
Asian.....	85,600	6,700	22,700	11,900	6,300	10,400	9,500	10,700	4,000	1,800	1,600
American Indian/Alaska Native.....	5,200	S	700	S	1,300	S	S	S	S	S	S
Black, non-Hispanic.....	51,000	2,500	12,200	11,300	2,700	5,400	9,700	3,700	2,400	S	S
Hispanic.....	67,900	2,600	13,700	11,300	14,100	8,900	7,800	7,600	S	S	S
White, non-Hispanic.....	891,300	32,200	160,400	121,400	83,700	112,800	144,100	122,200	67,900	27,100	19,500
Other.....	17,800	S	6,100	1,300	2,200	1,900	S	S	S	S	S
Physical and related sciences.....	439,100	13,300	52,700	53,800	46,800	67,200	64,900	59,800	43,200	19,700	17,700
Male	309,300	6,400	32,500	39,300	31,300	44,200	44,000	47,200	36,700	12,800	14,900
Female	129,900	6,900	20,300	14,500	15,500	23,000	20,900	12,500	6,500	6,900	2,900
Asian.....	49,600	1,100	7,000	6,600	5,400	4,200	9,100	6,200	5,100	4,400	S
American Indian/Alaska Native.....	1,700	S	S	S	S	S	S	S	S	S	S
Black, non-Hispanic.....	16,400	600	1,700	2,800	2,200	2,400	3,300	2,000	S	S	S
Hispanic.....	25,000	300	1,800	4,700	3,300	3,800	4,400	1,600	2,200	S	S
White, non-Hispanic.....	342,000	10,700	40,500	39,000	35,600	55,300	47,500	49,800	34,900	13,300	15,600
Other.....	4,400	500	1,700	600	S	S	600	S	S	S	S
Social and related sciences.....	2,891,100	158,400	421,200	462,700	392,600	318,500	345,700	386,800	256,300	96,300	52,800
Male	1,422,400	50,900	166,200	236,200	196,800	161,300	164,200	203,600	147,800	61,700	33,600
Female	1,468,700	107,500	255,000	226,500	195,800	157,200	181,400	183,200	108,500	34,600	19,200
Asian.....	160,800	15,900	26,900	24,000	24,100	21,800	13,500	16,100	11,800	4,600	2,100
American Indian/Alaska Native.....	14,800	S	300	2,700	3,000	S	3,100	S	S	S	S

Individuals in labor force with S&E or S&E-related highest degrees, by highest degree, degree field, sex, race/ethnicity, and age: 2003

Degree, field, sex, and race/ethnicity	All ages	Age (years)									
		<25	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65+
Black, non-Hispanic	244,300	11,400	34,900	36,000	32,000	28,700	32,200	39,200	20,900	7,000	2,000
Hispanic	174,400	14,200	30,600	38,300	27,200	23,500	17,600	10,600	8,000	2,400	S
White, non-Hispanic	2,232,600	111,500	318,200	346,300	297,400	234,600	273,500	315,000	208,600	81,100	46,400
Other	64,300	4,900	10,400	15,500	8,900	7,100	5,700	4,400	6,500	S	S
Engineering	1,753,600	36,700	184,400	244,400	261,000	308,400	245,400	173,200	138,300	98,200	63,600
Male	1,553,300	27,700	146,300	208,400	219,800	265,100	227,100	164,400	135,200	96,100	63,100
Female	200,300	9,000	38,100	35,900	41,100	43,300	18,200	8,800	3,100	2,100	S
Asian	227,300	8,500	29,000	40,200	40,300	34,300	26,300	20,200	13,500	9,200	5,700
American Indian/Alaska Native	4,500	S	300	600	S	1,400	S	S	S	S	S
Black, non-Hispanic	62,900	1,800	9,100	13,400	8,600	14,200	6,500	4,700	3,300	1,000	S
Hispanic	105,100	1,500	13,200	18,800	19,900	22,200	12,000	7,300	3,900	3,600	2,700
White, non-Hispanic	1,321,600	23,600	129,300	166,000	181,600	232,900	197,300	138,500	115,000	83,200	54,200
Other	32,100	1,200	3,600	5,400	9,600	3,300	2,700	2,200	2,500	S	S
S&E-related fields	2,370,400	29,300	203,800	332,200	336,700	390,100	408,200	342,100	185,800	92,400	49,800
Male	845,900	3,000	54,600	136,100	114,900	135,600	123,600	133,300	82,400	36,100	26,400
Female	1,524,500	26,300	149,200	196,000	221,900	254,500	284,500	208,800	103,500	56,300	23,400
Asian	209,300	S	13,000	39,300	25,800	36,200	32,700	29,900	15,300	10,700	4,600
American Indian/Alaska Native	10,600	S	S	S	1,700	S	1,200	S	S	S	S
Black, non-Hispanic	147,500	1,700	15,000	15,500	23,700	29,600	30,500	14,300	10,300	5,300	S
Hispanic	137,400	S	13,400	17,900	23,100	29,500	24,700	15,000	6,700	3,300	2,700
White, non-Hispanic	1,817,500	22,700	152,200	247,000	260,600	287,200	311,100	274,800	150,900	71,800	39,300
Other	48,100	S	9,000	11,400	1,700	6,300	7,900	6,400	1,400	S	1,800
Master's											
S&E fields	1,997,200	12,800	160,200	272,000	269,600	290,600	283,100	278,900	229,900	123,500	76,500
Male	1,259,900	7,300	86,600	155,400	165,900	190,900	175,500	180,700	161,100	84,000	52,600
Female	737,300	5,500	73,700	116,600	103,700	99,700	107,600	98,200	68,900	39,500	24,000
Asian	354,900	4,300	56,500	76,800	66,600	55,600	32,100	25,700	21,300	11,100	4,900
American Indian/Alaska Native	5,300	S	200	700	800	S	S	1,100	S	S	S
Black, non-Hispanic	86,700	300	7,400	12,000	13,100	12,900	13,100	14,300	5,000	4,800	3,800
Hispanic	87,600	900	6,100	14,000	16,000	16,400	11,100	10,600	6,500	3,200	2,900
White, non-Hispanic	1,431,900	7,000	86,800	164,800	169,200	201,700	221,200	222,500	192,300	102,700	63,600
Other	30,900	S	3,200	3,600	4,000	3,400	4,600	4,700	4,500	1,700	S
Science	1,438,800	8,500	107,800	197,300	182,800	196,100	204,900	220,500	172,200	90,700	57,900
Male	776,500	4,500	45,300	93,500	91,500	112,200	108,400	128,200	106,100	52,400	34,400
Female	662,400	4,100	62,400	103,800	91,300	84,000	96,600	92,300	66,100	38,300	23,500
Asian	214,800	2,400	32,000	46,800	40,700	36,300	19,500	16,300	12,500	5,600	2,800
American Indian/Alaska Native	4,500	S	100	700	800	S	S	1,100	S	S	S
Black, non-Hispanic	73,500	300	5,400	10,200	10,100	11,100	11,200	13,100	4,400	3,900	3,700
Hispanic	61,000	600	4,400	8,800	10,300	10,500	8,200	7,800	5,700	2,500	2,200
White, non-Hispanic	1,062,200	5,100	64,200	128,200	118,300	135,000	161,400	177,800	146,600	77,200	48,600
Other	22,800	S	1,700	2,600	2,700	2,800	3,500	4,400	2,800	1,400	S

Individuals in labor force with S&E or S&E-related highest degrees, by highest degree, degree field, sex, race/ethnicity, and age: 2003

Degree, field, sex, and race/ethnicity	All ages	Age (years)									
		<25	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65+
Computer and mathematical sciences	400,100	2,300	31,800	59,300	69,100	71,700	54,900	50,500	40,800	14,000	5,800
Male	270,200	1,400	21,800	36,000	42,100	50,600	35,700	36,600	30,500	11,100	4,400
Female	129,900	900	10,000	23,300	26,900	21,100	19,200	13,900	10,300	2,900	1,400
Asian	130,600	S	19,800	34,200	29,900	20,400	11,900	8,000	4,000	1,100	S
American Indian/Alaska Native	S	S	S	S	S	S	S	S	S	S	S
Black, non-Hispanic	17,100	S	1,100	1,600	3,100	3,000	3,700	2,400	1,100	800	S
Hispanic	10,000	S	500	2,200	2,400	2,700	700	S	1,100	S	S
White, non-Hispanic	235,100	800	10,300	21,100	31,800	44,000	37,400	38,400	34,200	11,700	5,200
Other	6,100	S	S	S	1,600	1,600	S	1,500	S	S	S
Biological, agricultural, and environmental											
life sciences	214,200	1,800	18,900	31,700	24,400	30,400	30,500	31,100	27,300	12,200	5,800
Male	112,900	1,300	6,600	11,300	11,500	17,900	14,600	20,000	17,000	8,800	4,000
Female	101,300	S	12,400	20,400	12,900	12,600	16,000	11,200	10,400	3,400	1,700
Asian	26,100	S	4,100	3,900	3,500	3,900	2,700	2,800	1,800	2,100	S
American Indian/Alaska Native	1,000	S	S	S	S	S	S	S	S	S	S
Black, non-Hispanic	7,500	S	500	600	1,300	2,000	S	S	S	S	S
Hispanic	7,500	S	400	1,600	700	1,700	800	S	S	S	S
White, non-Hispanic	168,800	800	13,300	25,200	18,200	22,500	25,700	26,000	23,800	9,100	4,200
Other	3,200	S	S	S	S	S	S	S	S	S	S
Physical and related sciences	135,000	400	9,000	15,800	12,800	23,700	17,800	20,000	15,900	10,500	9,200
Male	98,200	S	4,200	10,800	8,000	15,700	13,400	17,000	14,200	7,900	7,000
Female	36,700	300	4,800	5,100	4,800	8,000	4,400	2,900	1,700	2,600	2,200
Asian	25,600	S	2,100	3,800	2,800	5,800	1,900	2,600	4,000	1,400	1,200
American Indian/Alaska Native	100	S	S	S	S	S	S	S	S	S	S
Black, non-Hispanic	3,300	S	200	600	S	S	700	S	S	S	S
Hispanic	4,200	S	300	800	800	700	S	S	S	S	S
White, non-Hispanic	100,200	300	6,200	10,500	8,800	16,400	14,500	16,600	11,500	8,700	6,800
Other	1,600	S	200	S	S	S	S	S	S	S	S
Social and related sciences	689,500	4,200	48,000	90,400	76,600	70,300	101,800	118,800	88,200	54,000	37,200
Male	295,100	1,600	12,800	35,400	29,800	28,000	44,700	54,600	44,500	24,600	19,000
Female	394,500	2,500	35,200	55,000	46,800	42,400	57,100	64,200	43,700	29,400	18,200
Asian	32,600	S	6,000	4,900	4,500	6,100	3,000	3,000	2,700	S	S
American Indian/Alaska Native	2,200	S	S	S	S	S	S	S	S	S	S
Black, non-Hispanic	45,600	S	3,600	7,400	5,400	5,600	6,200	9,200	2,900	2,100	3,000
Hispanic	39,300	S	3,200	4,200	6,500	5,500	6,100	7,200	3,400	2,400	S
White, non-Hispanic	558,100	3,000	34,300	71,400	59,500	52,000	83,900	96,800	77,000	47,700	32,500
Other	11,800	S	700	2,000	S	S	2,500	2,000	2,300	700	S
Engineering	558,400	4,200	52,500	74,600	86,800	94,500	78,100	58,400	57,700	32,800	18,600
Male	483,500	2,800	41,200	61,800	74,400	78,800	67,100	52,400	54,900	31,700	18,200
Female	74,900	1,400	11,200	12,800	12,400	15,700	11,000	5,900	2,800	1,200	S
Asian	140,100	1,900	24,600	30,000	26,000	19,300	12,600	9,400	8,800	5,500	2,100
American Indian/Alaska Native	S	S	S	S	S	S	S	S	S	S	S
Black, non-Hispanic	13,200	S	2,000	1,700	3,000	1,900	1,800	1,200	600	S	S

Individuals in labor force with S&E or S&E-related highest degrees, by highest degree, degree field, sex, race/ethnicity, and age: 2003

Degree, field, sex, and race/ethnicity	All ages	Age (years)									
		<25	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65+
Hispanic	26,600	300	1,700	5,300	5,700	5,900	2,900	2,800	800	600	700
White, non-Hispanic	369,600	1,900	22,700	36,700	50,900	66,800	59,800	44,700	45,700	25,500	15,000
Other	8,100	S	1,500	1,000	1,300	S	1,100	S	S	S	S
S&E-related fields	938,400	4,100	77,200	128,500	117,600	129,800	146,000	158,800	98,400	51,500	26,600
Male	308,900	S	19,900	39,400	40,600	44,700	40,100	47,900	38,000	23,300	14,800
Female	629,500	3,800	57,300	89,100	77,000	85,100	105,900	110,800	60,400	28,100	11,800
Asian.....	61,700	S	6,700	8,300	9,300	9,100	12,500	7,000	5,800	1,900	1,000
American Indian/Alaska Native	2,700	S	S	S	S	S	S	S	S	S	S
Black, non-Hispanic	53,200	S	3,700	6,900	6,500	5,800	7,200	9,500	7,600	3,600	2,000
Hispanic	36,000	S	4,700	5,300	6,600	5,600	4,800	6,000	2,200	S	S
White, non-Hispanic	774,500	3,700	60,000	106,600	92,300	107,500	120,400	133,100	82,400	45,100	23,400
Other.....	10,400	S	S	S	2,600	1,500	S	2,100	S	S	S
Doctoral											
S&E fields	707,600	S	13,600	72,400	98,100	109,000	105,500	100,500	90,800	73,500	44,200
Male	524,700	S	7,200	46,700	67,100	78,900	76,400	76,200	70,500	62,600	39,100
Female	182,900	S	6,300	25,700	31,000	30,200	29,100	24,300	20,200	10,900	5,100
Asian.....	136,800	S	2,200	22,200	27,100	28,400	20,900	13,800	9,300	8,400	4,500
American Indian/Alaska Native	3,800	S	S	300	400	400	600	600	600	500	400
Black, non-Hispanic	23,500	S	2,200	2,600	4,100	3,000	3,300	3,400	2,600	1,300	1,000
Hispanic	20,800	S	500	2,400	4,400	4,000	3,100	2,100	1,400	2,200	800
White, non-Hispanic	520,800	S	8,600	44,800	61,900	73,000	77,100	80,400	76,700	60,800	37,500
Other.....	2,000	S	S	100	300	200	600	200	S	S	S
Science.....	581,600	S	10,900	58,200	78,400	85,500	88,800	86,000	77,600	60,700	35,400
Male	409,300	S	5,100	34,800	50,300	57,900	60,800	62,400	57,800	49,900	30,300
Female	172,200	S	5,900	23,400	28,100	27,600	28,000	23,500	19,900	10,800	5,100
Asian.....	93,500	S	1,100	15,800	18,900	18,900	14,600	9,400	6,200	5,400	3,200
American Indian/Alaska Native	3,400	S	S	200	400	400	600	600	600	400	300
Black, non-Hispanic	20,600	S	2,200	2,300	3,600	2,500	2,900	2,900	2,200	1,200	1,000
Hispanic	17,900	S	500	1,900	3,800	3,600	2,600	1,700	1,300	1,900	700
White, non-Hispanic	444,300	S	7,100	37,900	51,500	60,000	67,500	71,200	67,400	51,500	30,100
Other	1,700	S	S	100	300	200	600	100	S	S	S
Computer and mathematical sciences	52,300	S	3,000	6,500	7,700	8,600	6,800	6,000	5,800	5,400	2,500
Male	42,800	S	900	4,900	6,200	7,500	5,600	5,200	5,000	5,100	2,300
Female	9,500	S	2,100	1,600	1,500	1,100	1,200	800	700	300	200
Asian	12,200	S	400	2,100	2,400	3,100	1,500	1,100	700	500	400
American Indian/Alaska Native	200	S	S	S	S	S	S	S	S	S	S
Black, non-Hispanic	3,200	S	S	100	500	100	200	100	200	100	100
Hispanic	1,500	S	S	100	300	200	200	100	100	S	S
White, non-Hispanic	35,100	S	600	4,100	4,600	5,200	4,800	4,600	4,800	4,400	1,900
Other	S	S	S	S	S	S	S	S	S	S	S

Individuals in labor force with S&E or S&E-related highest degrees, by highest degree, degree field, sex, race/ethnicity, and age: 2003

Degree, field, sex, and race/ethnicity	All ages	Age (years)									
		<25	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65+
Biological, agricultural, and environmental											
life sciences.....	196,400	S	4,400	22,400	30,900	30,900	33,500	27,500	21,300	16,400	9,100
Male	134,300	S	2,100	12,400	18,200	20,800	22,200	20,600	16,500	13,300	8,100
Female	62,100	S	2,400	9,900	12,700	10,100	11,300	6,800	4,800	3,000	1,000
Asian	40,300	S	400	7,300	9,200	7,700	6,300	3,700	1,600	2,800	1,200
American Indian/Alaska Native.....	1,000	S	S	S	100	200	200	300	S	S	S
Black, non-Hispanic.....	6,100	S	S	800	1,700	1,000	900	500	500	300	200
Hispanic	6,800	S	S	600	2,200	1,600	1,000	500	300	200	100
White, non-Hispanic.....	141,100	S	3,700	13,500	17,600	20,300	24,700	22,400	18,800	12,600	7,500
Other	1,000	S	S	S	100	S	S	S	S	S	S
Physical and related sciences	144,500	S	1,900	14,500	20,000	22,800	21,000	18,000	18,500	17,300	10,400
Male	123,100	S	1,300	11,300	16,300	18,000	18,100	15,800	16,600	16,000	9,900
Female	21,300	S	600	3,200	3,800	4,900	3,000	2,100	1,900	1,300	600
Asian	29,000	S	300	4,300	5,400	5,900	4,700	3,100	3,000	1,300	1,000
American Indian/Alaska Native.....	600	S	S	S	S	100	S	S	S	S	S
Black, non-Hispanic.....	2,200	S	S	400	300	400	400	200	300	100	100
Hispanic	2,900	S	S	300	500	500	400	100	200	800	100
White, non-Hispanic.....	109,400	S	1,500	9,500	13,700	15,900	15,400	14,500	14,900	14,900	9,200
Other	300	S	S	S	100	S	S	S	S	S	S
Social and related sciences	188,500	S	1,600	14,800	19,700	23,200	27,600	34,500	32,100	21,700	13,300
Male	109,100	S	800	6,100	9,600	11,600	14,900	20,800	19,700	15,500	10,100
Female	79,400	S	800	8,700	10,100	11,600	12,600	13,800	12,400	6,200	3,300
Asian	12,000	S	100	2,000	1,900	2,200	2,100	1,400	900	800	700
American Indian/Alaska Native.....	1,700	S	S	200	100	100	300	200	400	200	200
Black, non-Hispanic.....	9,100	S	100	900	1,100	1,000	1,500	2,100	1,200	600	500
Hispanic	6,700	S	S	800	800	1,200	1,000	1,000	700	600	300
White, non-Hispanic.....	158,700	S	1,300	10,800	15,700	18,600	22,700	29,700	28,800	19,500	11,600
Other	200	S	S	S	S	S	S	S	S	S	S
Engineering	126,100	S	2,600	14,200	19,700	23,500	16,600	14,500	13,100	12,800	8,800
Male	115,400	S	2,200	11,900	16,800	21,000	15,600	13,700	12,700	12,700	8,800
Female	10,700	S	500	2,300	2,900	2,500	1,000	800	400	100	S
Asian.....	43,200	S	1,000	6,400	8,200	9,500	6,300	4,400	3,200	3,000	1,200
American Indian/Alaska Native.....	400	S	S	S	S	S	S	S	S	S	S
Black, non-Hispanic.....	2,900	S	S	400	500	500	300	500	500	100	S
Hispanic	2,900	S	S	500	500	400	500	400	100	300	S
White, non-Hispanic.....	76,400	S	1,500	6,800	10,400	13,000	9,500	9,200	9,300	9,200	7,400
Other	300	S	S	S	S	S	S	S	S	S	S
S&E-related fields	58,700	S	2,200	4,000	5,700	9,400	10,300	12,200	6,000	4,900	3,800
Male	31,300	S	400	2,500	2,400	4,700	5,900	6,300	2,700	3,400	3,000
Female	27,400	S	1,800	1,500	3,400	4,700	4,400	5,900	3,300	1,500	800
Asian.....	10,300	S	S	400	2,000	3,200	1,700	1,000	500	300	500
American Indian/Alaska Native.....	200	S	S	S	S	S	S	S	S	S	S

Individuals in labor force with S&E or S&E-related highest degrees, by highest degree, degree field, sex, race/ethnicity, and age: 2003

Degree, field, sex, and race/ethnicity	All ages	Age (years)									
		<25	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65+
Black, non-Hispanic	2,900	S	S	200	200	300	1,300	400	500	100	S
Hispanic	3,200	S	S	600	400	400	100	1,000	200	S	S
White, non-Hispanic	41,900	S	1,400	2,800	3,100	5,500	7,200	9,600	4,700	4,500	2,900
Other.....	S	S	S	S	S	S	S	S	S	S	S

S = suppressed for reasons of confidentiality and/or data reliability

*Includes professional degrees.

SOURCE: National Science Foundation, Division of Science Resources Statistics, Scientists and Engineers Statistical Data System (SESTAT), preliminary estimates (2003), <http://sestat.nsf.gov>.

Science and Engineering Indicators 2006

Appendix table 3-14
Older S&E degree holders working full time, by age and degree level: 2003
 (Percent)

Age (years)	Bachelor's	Master's	Doctoral
55.....	77.6	85.4	84.9
56.....	70.0	80.6	84.1
57.....	71.9	74.4	84.4
58.....	67.4	75.5	81.3
59.....	64.0	65.2	78.9
60.....	62.7	65.0	75.7
61.....	50.4	64.1	69.2
62.....	46.3	44.8	67.3
63.....	43.0	36.4	62.9
64.....	43.2	37.5	58.9
65.....	30.5	30.5	53.2
66.....	28.5	21.3	43.2
67.....	24.1	28.4	31.5
68.....	14.7	24.8	33.8
69.....	16.3	16.5	21.1

SOURCE: National Science Foundation, Division of Science Resources Statistics, Scientists and Engineers Statistical Data System (SESTAT), preliminary estimates (2003), <http://sestat.nsf.gov>.

Science and Engineering Indicators 2006

Appendix table 3-15
Tertiary-educated population more than 15 years old, by country: 2000
 (Thousands)

Country	Population
United States	52,722
China	20,453
India	14,962
Russia	13,642
Japan	12,537
Philippines	5,698
Germany	5,537
Brazil	4,520
South Korea	4,442
United Kingdom	4,181
Thailand	3,185
Mexico	2,993
France	2,969
Other	45,982

SOURCE: R.J. Barro and J. Lee, *International Data on Educational Attainment: Updates and Implication*, Center for International Development (2000).

Science and Engineering Indicators 2006

Individuals in labor force in S&E and S&E-related occupations, by highest degree, occupation, sex, race/ethnicity, and age: 2003

Degree, occupation, sex, and race/ethnicity	All ages	Age (years)									
		<25	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65+
All degree levels ^a											
S&E occupations.....	5,095,000	97,900	573,200	784,700	770,600	845,100	701,800	571,200	398,900	216,600	134,900
Male.....	3,717,200	60,400	370,300	563,400	553,500	616,900	515,400	432,300	314,700	176,300	113,900
Female.....	1,377,800	37,300	202,900	221,300	217,100	228,300	186,500	139,000	84,300	40,200	20,900
Asian.....	739,400	21,100	120,100	165,000	133,000	116,400	70,600	49,300	32,000	20,500	11,300
American Indian/Alaska Native.....	17,600	S	900	2,500	3,100	4,700	S	S	S	600	S
Black, non-Hispanic.....	225,000	3,200	27,200	40,100	37,000	38,600	32,600	25,400	11,400	6,200	3,100
Hispanic.....	219,600	5,200	28,900	43,900	43,500	37,200	25,400	14,200	10,700	6,700	4,000
White, non-Hispanic.....	3,814,000	65,100	384,100	518,100	539,100	637,300	562,800	475,200	337,500	179,900	114,900
Other.....	79,500	3,200	12,000	15,200	14,900	10,900	8,000	5,800	6,100	2,500	1,000
Scientists.....	3,479,600	69,600	399,700	563,500	538,900	563,400	478,700	385,900	266,400	135,300	78,200
Male.....	2,283,200	39,500	235,300	374,600	354,200	371,900	309,500	257,400	185,700	96,800	58,200
Female.....	1,196,400	30,000	164,400	188,900	184,700	191,600	169,200	128,500	80,800	38,400	19,900
Asian.....	531,700	14,100	90,100	131,300	97,200	85,400	49,400	29,100	17,700	11,100	6,300
American Indian/Alaska Native.....	12,700	S	700	2,000	1,800	3,500	1,900	1,200	1,000	300	300
Black, non-Hispanic.....	170,200	2,400	19,200	32,100	30,800	27,600	25,400	17,100	8,500	4,700	2,300
Hispanic.....	137,400	4,200	17,100	29,700	28,900	22,500	14,500	8,100	7,000	3,100	2,300
White, non-Hispanic.....	2,574,500	46,300	264,200	356,500	371,500	417,200	381,400	326,700	230,100	113,900	66,600
Other.....	53,200	2,500	8,400	12,000	8,700	7,200	6,100	3,800	2,200	2,000	300
Computer and mathematical scientists.....	2,086,900	29,600	227,100	384,800	378,500	374,200	278,700	204,000	134,000	55,200	20,700
Male.....	1,492,100	21,700	158,700	285,000	268,200	260,400	193,600	144,000	100,400	43,700	16,200
Female.....	594,800	7,900	68,400	99,800	110,300	113,800	85,100	59,900	33,600	11,500	4,500
Asian.....	382,300	8,000	69,400	106,500	74,400	59,500	30,500	18,200	9,000	4,600	2,300
American Indian/Alaska Native.....	3,800	S	S	S	600	1,000	S	400	S	S	S
Black, non-Hispanic.....	110,400	800	10,800	23,500	22,400	20,000	16,600	9,500	4,500	1,500	700
Hispanic.....	79,100	1,500	8,900	18,200	19,300	14,100	8,100	4,400	3,200	1,100	400
White, non-Hispanic.....	1,476,600	18,000	134,000	228,100	254,600	274,500	218,300	168,900	115,700	47,200	17,200
Other.....	34,600	1,200	4,000	7,600	7,200	4,900	4,900	2,700	1,300	S	S
Life and related scientists.....	566,500	15,500	73,300	70,900	67,400	82,600	86,700	74,300	48,900	26,200	20,600
Male.....	320,200	4,900	35,400	37,200	36,400	48,200	48,700	45,500	29,600	18,400	16,000
Female.....	246,200	10,600	37,900	33,700	31,000	34,300	38,000	28,800	19,300	7,900	4,700
Asian.....	80,600	2,500	10,600	13,700	12,500	15,200	11,400	6,300	4,200	2,800	1,500
American Indian/Alaska Native.....	3,900	S	S	S	200	1,900	500	300	300	S	S
Black, non-Hispanic.....	21,300	400	3,100	3,900	2,900	2,000	4,400	1,200	1,700	1,300	400
Hispanic.....	23,300	700	2,800	5,200	4,300	3,600	2,700	800	1,400	600	1,100
White, non-Hispanic.....	430,900	11,600	54,400	46,600	47,200	58,300	67,200	65,400	41,300	21,500	17,400
Other.....	6,400	S	1,900	1,400	300	1,500	S	S	S	S	S
Physical and related scientists.....	323,800	9,700	38,500	43,200	37,800	52,600	45,100	40,300	25,500	18,500	12,600
Male.....	230,700	5,100	17,000	26,400	26,400	37,600	35,700	33,500	21,500	15,400	12,100
Female.....	93,100	4,600	21,500	16,800	11,400	15,000	9,400	6,800	3,900	3,100	500
Asian.....	40,400	1,200	5,000	6,700	5,600	7,000	5,200	2,700	3,400	2,400	1,200

Individuals in labor force in S&E and S&E-related occupations, by highest degree, occupation, sex, race/ethnicity, and age: 2003

Degree, occupation, sex, and race/ethnicity	All ages	Age (years)									
		<25	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65+
American Indian/Alaska Native	1,500	S	100	300	S	500	S	S	S	S	S
Black, non-Hispanic.....	9,300	300	600	1,100	1,500	1,500	1,300	1,200	1,000	200	S
Hispanic	12,600	400	2,000	2,400	2,000	1,400	1,600	1,100	1,100	500	200
White, non-Hispanic.....	255,100	7,400	28,800	32,100	28,300	41,700	36,600	35,000	19,500	15,000	10,600
Other	4,900	S	2,000	600	200	500	S	S	S	S	S
Social and related scientists.....	502,400	14,700	60,800	64,500	55,300	54,100	68,200	67,300	58,000	35,300	24,300
Male.....	240,100	7,900	24,100	26,000	23,300	25,600	31,500	34,300	34,100	19,300	14,000
Female.....	262,300	6,900	36,700	38,500	32,000	28,400	36,600	33,000	23,900	16,000	10,300
Asian.....	28,300	2,400	5,100	4,400	4,700	3,700	2,400	1,900	1,000	1,400	1,300
American Indian/Alaska Native	3,500	S	S	600	900	S	900	400	200	200	S
Black, non-Hispanic.....	29,100	900	4,700	3,600	3,900	4,000	3,100	5,300	1,300	1,800	600
Hispanic	22,400	1,600	3,400	3,900	3,200	3,400	2,100	1,900	1,400	1,000	600
White, non-Hispanic.....	411,900	9,300	46,900	49,600	41,500	42,700	59,300	57,300	53,600	30,200	21,400
Other	7,200	S	500	2,400	1,000	300	400	600	500	S	S
Engineers	1,615,400	28,300	173,500	221,200	231,700	281,700	223,100	185,300	132,500	81,300	56,700
Male.....	1,434,000	20,900	135,000	188,800	199,300	245,000	205,900	174,900	129,000	79,500	55,700
Female.....	181,400	7,300	38,500	32,400	32,400	36,700	17,300	10,500	3,500	1,800	1,000
Asian.....	207,700	7,000	30,000	33,700	35,800	31,000	21,200	20,200	14,300	9,400	5,000
American Indian/Alaska Native	4,900	S	200	500	1,300	1,200	S	S	S	300	S
Black, non-Hispanic	54,800	800	8,000	8,000	6,200	11,000	7,200	8,300	2,900	1,500	800
Hispanic.....	82,200	1,000	11,800	14,200	14,600	14,700	10,900	6,100	3,700	3,600	1,700
White, non-Hispanic	1,239,500	18,800	119,900	161,600	167,600	220,100	181,400	148,500	107,400	66,000	48,300
Other.....	26,300	700	3,600	3,200	6,200	3,700	1,900	2,000	3,900	500	700
S&E-related occupations	5,328,200	61,800	470,200	755,000	716,500	809,700	849,900	773,900	503,200	244,000	143,900
Male.....	2,389,000	12,500	160,500	318,900	297,600	360,500	357,100	370,200	276,400	137,500	97,700
Female.....	2,939,300	49,300	309,700	436,000	418,900	449,100	492,900	403,700	226,800	106,500	46,200
Asian.....	497,600	6,800	49,200	76,700	77,200	83,400	67,600	58,900	40,200	25,300	12,400
American Indian/Alaska Native	21,200	S	800	3,400	2,000	2,800	4,200	4,000	2,700	S	S
Black, non-Hispanic.....	294,300	3,200	26,000	42,100	43,600	43,800	48,900	37,100	28,300	14,800	6,700
Hispanic.....	272,900	2,400	30,500	36,100	41,900	54,900	39,700	30,500	21,200	6,400	9,200
White, non-Hispanic	4,149,200	46,600	347,900	577,900	541,600	615,000	675,800	633,300	404,500	195,300	111,300
Other.....	93,000	2,600	15,900	18,900	10,300	9,700	13,700	10,200	6,300	1,700	3,800
Bachelor's											
S&E occupations	2,903,600	90,200	409,900	480,100	449,200	484,800	384,200	297,500	175,000	84,800	47,900
Male.....	2,183,700	55,900	271,800	370,300	338,300	364,500	289,300	234,500	146,400	71,200	41,500
Female.....	719,800	34,300	138,000	109,700	110,800	120,200	95,000	63,000	28,600	S	S
Asian.....	299,000	17,800	64,200	69,100	44,000	40,600	24,100	18,300	10,000	7,100	3,600
American Indian/Alaska Native	11,200	S	700	1,600	S	4,100	S	S	S	S	S
Black, non-Hispanic	144,400	3,000	20,700	27,100	22,200	25,300	19,600	17,600	5,400	S	S
Hispanic.....	142,800	4,800	22,300	29,400	29,100	20,700	16,000	8,600	6,700	3,900	S
White, non-Hispanic	2,252,400	61,400	292,500	341,500	341,300	387,300	318,700	249,500	148,300	70,300	41,500
Other.....	53,800	3,000	9,400	11,500	10,200	6,800	4,600	3,000	4,100	S	S

Individuals in labor force in S&E and S&E-related occupations, by highest degree, occupation, sex, race/ethnicity, and age: 2003

Degree, occupation, sex, and race/ethnicity	All ages	Age (years)									
		<25	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65+
Scientists	1,850,600	64,700	281,200	331,400	299,000	305,200	235,500	178,800	98,700	39,600	16,600
Male	1,244,900	36,700	169,700	241,300	208,000	206,200	152,000	121,600	71,600	27,200	10,600
Female	605,700	28,000	111,400	90,100	91,000	98,900	83,600	57,200	27,100	12,400	6,000
Asian	207,900	12,000	49,800	55,500	29,800	27,200	14,800	8,000	5,100	3,800	1,800
American Indian/Alaska Native	7,000	S	500	1,200	1,000	3,100	600	S	S	S	S
Black, non-Hispanic	103,400	2,200	14,600	20,800	18,500	16,500	13,800	11,000	3,300	1,700	S
Hispanic	84,200	4,000	12,800	19,800	18,700	10,900	8,400	4,400	3,800	1,200	S
White, non-Hispanic	1,415,000	44,000	196,400	225,200	226,000	243,600	194,700	153,800	85,500	32,200	13,600
Other	33,200	2,400	7,000	9,000	4,900	3,900	3,200	1,400	800	S	S
Computer and mathematical scientists.....	1,380,400	27,600	172,200	271,900	252,300	246,000	180,600	126,800	68,800	25,700	8,700
Male.....	982,300	20,400	121,800	207,600	180,500	168,000	121,900	86,200	51,500	18,800	5,600
Female.....	398,200	7,200	50,400	64,200	71,800	78,000	58,700	40,600	17,300	6,800	3,100
Asian.....	173,400	6,800	39,800	51,300	28,800	22,700	11,400	7,200	3,600	800	1,100
American Indian/Alaska Native	2,600	S	S	S	S	1,000	S	S	S	S	S
Black, non-Hispanic.....	79,500	800	8,000	18,600	16,000	13,800	11,300	7,600	2,000	S	S
Hispanic	59,700	1,400	7,600	14,300	14,800	9,300	6,300	3,000	2,100	700	S
White, non-Hispanic	1,041,200	17,300	113,000	180,600	187,700	196,000	148,700	107,800	60,200	22,700	7,000
Other.....	24,100	1,100	3,700	6,100	4,700	3,200	2,700	1,200	S	S	S
Life and related scientists	201,300	14,300	51,100	22,600	18,600	26,100	26,700	23,800	11,300	3,400	3,500
Male.....	105,500	4,100	22,800	13,400	9,900	14,900	14,400	15,000	6,500	2,700	1,900
Female.....	95,800	10,200	28,200	9,300	8,600	11,200	12,300	8,900	4,700	S	1,700
Asian.....	16,800	S	6,500	2,100	S	2,600	1,600	S	S	S	S
American Indian/Alaska Native	2,900	S	S	S	S	S	S	S	S	S	S
Black, non-Hispanic.....	7,900	400	2,800	S	S	S	1,700	S	S	S	S
Hispanic	8,800	700	1,800	2,800	1,500	S	S	S	S	S	S
White, non-Hispanic	161,600	11,000	38,200	15,900	15,800	20,600	22,300	22,600	9,600	2,300	3,300
Other.....	3,300	S	1,300	S	S	S	S	S	S	S	S
Physical and related scientists	143,000	9,300	28,200	18,600	14,100	22,600	18,200	15,500	9,800	4,700	1,900
Male.....	92,000	5,000	12,400	10,200	10,000	17,100	12,900	12,500	7,700	2,500	1,800
Female.....	51,100	4,400	15,900	8,400	4,100	5,600	5,400	3,100	2,100	2,100	S
Asian.....	12,000	1,200	2,900	1,200	S	1,800	1,600	S	1,200	1,300	S
American Indian/Alaska Native	900	S	S	S	S	S	S	S	S	S	S
Black, non-Hispanic.....	5,600	200	400	S	800	1,000	900	900	S	S	S
Hispanic	7,800	300	1,500	1,500	1,500	S	S	S	S	S	S
White, non-Hispanic	113,500	7,300	21,500	14,800	11,300	18,600	14,700	13,700	7,100	3,200	1,200
Other.....	3,100	S	1,800	S	S	S	S	S	S	S	S
Social and related scientists.....	125,900	13,500	29,700	18,300	14,000	10,400	10,000	12,700	8,800	5,900	2,500
Male.....	65,200	7,300	12,800	10,100	7,600	6,200	2,800	8,000	5,900	3,200	S
Female.....	60,700	6,200	16,900	8,200	6,400	4,200	7,200	4,700	2,900	2,700	S
Asian.....	5,600	2,100	S	S	S	S	S	S	S	S	S
American Indian/Alaska Native	S	S	S	S	S	S	S	S	S	S	S

Individuals in labor force in S&E and S&E-related occupations, by highest degree, occupation, sex, race/ethnicity, and age: 2003

Degree, occupation, sex, and race/ethnicity	All ages	Age (years)									
		<25	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65+
Black, non-Hispanic.....	10,400	900	3,400	S	S	S	S	2,300	S	S	S
Hispanic.....	7,900	1,500	1,900	S	900	S	S	S	S	S	S
White, non-Hispanic.....	98,700	8,400	23,700	13,800	11,200	8,300	9,000	9,700	8,500	4,000	2,100
Other.....	2,700	S	S	S	S	S	S	S	S	S	S
Engineers.....	1,053,000	25,500	128,700	148,700	150,200	179,600	148,700	118,700	76,300	45,200	31,300
Male.....	938,800	19,200	102,100	129,000	130,300	158,300	137,300	112,900	74,800	44,000	30,900
Female.....	114,100	6,300	26,600	19,600	19,800	21,300	11,400	5,800	1,500	S	S
Asian.....	91,100	5,800	14,400	13,600	14,200	13,400	9,300	10,300	4,900	3,300	1,800
American Indian/Alaska Native.....	4,200	S	200	400	S	1,000	S	S	S	S	S
Black, non-Hispanic.....	41,000	800	6,100	6,300	3,700	8,800	5,800	6,600	2,100	S	S
Hispanic.....	58,600	800	9,500	9,600	10,400	9,800	7,600	4,200	2,900	2,700	1,000
White, non-Hispanic.....	837,400	17,400	96,100	116,300	115,300	143,700	124,000	95,700	62,800	38,100	27,900
Other.....	20,600	600	2,400	2,500	5,300	2,900	1,400	1,600	3,300	S	S
S&E-related occupations.....	2,995,400	55,900	322,900	449,000	420,100	457,700	486,500	395,800	239,900	113,200	54,500
Male.....	1,127,300	11,100	106,100	184,600	145,400	168,600	160,900	164,100	108,000	50,700	27,700
Female.....	1,868,200	44,800	216,800	264,400	274,700	289,100	325,600	231,700	131,900	62,500	26,800
Asian.....	253,600	6,100	25,000	36,600	35,900	43,400	38,500	32,500	19,600	11,300	4,600
American Indian/Alaska Native.....	14,300	S	700	3,200	1,300	2,100	3,100	2,300	S	S	S
Black, non-Hispanic.....	188,500	3,200	18,000	29,300	29,900	30,700	33,300	19,400	15,200	7,800	1,900
Hispanic.....	161,600	2,200	20,700	23,300	24,400	33,000	24,200	17,500	8,800	3,200	4,400
White, non-Hispanic.....	2,313,100	41,800	245,700	342,800	321,200	341,700	377,000	319,300	191,700	89,900	42,000
Other.....	64,300	2,400	12,800	13,900	7,400	6,800	10,400	4,800	3,200	S	1,500
Master's											
S&E occupations.....	1,502,900	7,700	144,600	228,800	225,500	248,700	214,600	180,400	141,300	69,900	41,600
Male.....	1,046,900	4,600	87,700	145,500	152,900	175,200	154,300	131,600	105,800	55,400	33,800
Female.....	456,000	3,000	56,900	83,300	72,500	73,500	60,300	48,800	35,300	S	S
Asian.....	306,800	3,300	51,600	73,800	62,800	47,200	26,600	19,500	12,200	6,400	3,600
American Indian/Alaska Native.....	S	S	S	S	S	S	S	S	S	S	S
Black, non-Hispanic.....	56,200	S	4,300	9,900	10,100	10,500	9,000	5,300	3,800	S	S
Hispanic.....	54,200	S	6,200	11,000	9,600	12,400	5,800	3,300	2,500	1,300	S
White, non-Hispanic.....	1,061,100	3,700	79,800	130,200	138,500	175,400	169,900	149,500	120,800	58,400	34,700
Other.....	21,600	S	2,600	3,400	4,000	S	S	S	S	S	S
Scientists.....	1,039,600	4,900	102,200	168,700	159,300	165,900	152,300	124,200	95,200	43,700	23,300
Male.....	640,700	2,800	56,700	96,000	96,800	105,000	97,100	79,300	61,300	29,700	16,000
Female.....	398,900	2,000	45,500	72,700	62,400	60,900	55,200	44,900	33,800	14,100	7,300
Asian.....	221,500	2,100	37,000	58,500	47,200	36,200	19,200	12,300	5,400	2,400	1,300
American Indian/Alaska Native.....	2,700	S	S	S	S	S	S	S	S	S	S
Black, non-Hispanic.....	44,500	200	2,400	8,400	7,900	8,600	7,900	3,900	3,300	1,500	S
Hispanic.....	33,400	S	3,900	7,000	5,900	7,800	2,900	1,800	1,900	700	1,300
White, non-Hispanic.....	721,300	2,300	57,400	91,600	94,500	111,000	119,600	103,700	83,200	37,800	20,200
Other.....	16,300	S	1,400	2,700	3,300	2,300	1,800	2,200	1,100	1,300	S

Individuals in labor force in S&E and S&E-related occupations, by highest degree, occupation, sex, race/ethnicity, and age: 2003

Degree, occupation, sex, and race/ethnicity	All ages	Age (years)									
		<25	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65+
Computer and mathematical scientists.....	605,500	2,100	51,900	102,300	110,900	110,500	81,300	64,200	52,900	21,500	7,900
Male.....	429,300	1,400	36,000	69,100	76,000	78,200	58,800	47,300	38,100	17,400	6,900
Female.....	176,200	700	15,800	33,100	34,900	32,300	22,500	16,900	14,800	4,100	1,000
Asian.....	183,000	1,200	29,200	50,800	40,700	30,200	15,300	8,800	4,000	2,200	700
American Indian/Alaska Native.....	1,000	S	S	S	S	S	S	S	S	S	S
Black, non-Hispanic.....	26,200	S	800	4,700	5,400	5,800	4,700	1,800	2,100	600	S
Hispanic.....	17,400	S	1,300	3,700	4,000	4,600	1,500	900	900	S	S
White, non-Hispanic.....	368,400	700	20,200	41,600	58,100	68,300	58,500	51,000	44,900	18,200	7,000
Other.....	9,500	S	S	1,400	2,400	1,700	1,200	1,400	S	S	S
Life and related scientists.....	130,800	1,200	12,400	19,500	15,500	17,600	22,300	20,200	13,100	5,900	3,000
Male.....	62,900	800	6,700	7,900	7,500	9,200	9,700	11,200	5,200	2,600	2,000
Female.....	68,000	S	5,600	11,600	8,000	8,500	12,600	9,000	7,900	3,400	1,000
Asian.....	14,700	S	1,300	3,200	2,000	1,900	2,600	2,000	700	S	S
American Indian/Alaska Native.....	S	S	S	S	S	S	S	S	S	S	S
Black, non-Hispanic.....	5,100	S	S	1,200	S	S	1,000	S	S	S	S
Hispanic.....	5,200	S	700	800	S	1,200	S	S	S	S	S
White, non-Hispanic.....	103,900	600	9,600	13,800	12,300	13,400	18,000	17,600	11,600	5,500	1,500
Other.....	1,800	S	S	S	S	S	S	S	S	S	S
Physical and related scientists.....	85,600	300	8,400	13,800	9,600	14,600	13,400	11,800	5,200	5,000	3,400
Male.....	57,300	S	3,300	8,000	5,300	8,000	11,100	9,300	4,500	4,600	3,200
Female.....	28,300	200	5,100	5,800	4,300	6,600	2,300	2,600	800	S	S
Asian.....	10,400	S	1,900	2,600	1,300	2,100	900	S	S	S	S
American Indian/Alaska Native.....	S	S	S	S	S	S	S	S	S	S	S
Black, non-Hispanic.....	2,300	S	200	300	S	S	S	S	S	S	S
Hispanic.....	2,900	S	500	700	S	S	600	S	S	S	S
White, non-Hispanic.....	68,400	100	5,600	9,900	7,400	11,500	11,600	10,800	4,000	4,400	3,000
Other.....	1,600	S	S	S	S	S	S	S	S	S	S
Social and related scientists.....	217,700	1,200	29,600	33,200	23,200	23,100	35,400	27,900	23,800	11,200	9,100
Male.....	91,300	S	10,700	10,900	8,000	9,600	17,500	11,500	13,500	5,100	4,000
Female.....	126,500	700	18,900	22,200	15,300	13,500	17,900	16,400	10,300	6,100	5,100
Asian.....	13,400	S	4,500	1,900	3,100	2,000	S	S	S	S	S
American Indian/Alaska Native.....	1,500	S	S	S	S	S	S	S	S	S	S
Black, non-Hispanic.....	11,000	S	1,200	2,200	1,200	1,800	2,000	1,700	S	S	S
Hispanic.....	7,800	S	1,500	1,800	1,300	1,600	S	S	600	S	S
White, non-Hispanic.....	180,600	800	21,900	26,200	16,700	17,900	31,600	24,400	22,600	9,800	8,600
Other.....	3,400	S	S	S	S	S	S	S	S	S	S
Engineers.....	463,300	2,800	42,400	60,100	66,200	82,800	62,300	56,200	46,100	26,200	18,300
Male.....	406,200	1,800	31,000	49,500	56,100	70,200	57,200	52,300	44,500	25,700	17,800
Female.....	57,100	1,000	11,400	10,600	10,100	12,600	5,100	3,900	1,500	S	S
Asian.....	85,300	1,200	14,600	15,300	15,600	11,000	7,400	7,200	6,800	4,000	2,300
American Indian/Alaska Native.....	S	S	S	S	S	S	S	S	S	S	S
Black, non-Hispanic.....	11,700	S	1,900	1,500	2,200	1,900	1,100	1,400	500	S	S
Hispanic.....	20,800	200	2,300	4,000	3,700	4,600	2,900	1,500	600	600	S

Individuals in labor force in S&E and S&E-related occupations, by highest degree, occupation, sex, race/ethnicity, and age: 2003

Degree, occupation, sex, and race/ethnicity	All ages	Age (years)									
		<25	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65+
White, non-Hispanic	339,800	1,400	22,400	38,600	44,000	64,400	50,300	45,800	37,600	20,600	14,500
Other	5,300	S	1,200	700	700	S	S	S	S	S	S
S&E-related occupations	1,234,200	5,600	90,400	161,500	146,700	173,300	195,300	223,300	147,500	61,400	29,100
Male.....	501,200	1,300	27,100	57,900	62,200	76,400	75,600	88,600	69,100	26,800	16,300
Female.....	733,100	4,300	63,300	103,600	84,500	97,000	119,700	134,700	78,400	34,600	12,900
Asian.....	91,300	S	8,600	15,100	14,500	15,500	13,400	11,900	7,100	3,300	1,200
American Indian/Alaska Native	3,500	S	S	S	S	S	S	S	S	S	S
Black, non-Hispanic	65,900	S	5,300	7,700	6,700	4,300	9,100	14,600	10,700	5,600	1,900
Hispanic.....	44,400	200	6,500	5,300	6,800	7,700	6,400	5,400	5,000	S	S
White, non-Hispanic	1,014,200	4,600	67,800	131,600	117,100	144,600	164,100	185,600	121,900	52,000	25,000
Other.....	14,900	S	S	1,900	1,200	S	2,100	4,300	1,800	S	S
Doctoral											
S&E occupations	594,600	S	13,600	66,000	86,900	95,600	86,600	79,900	72,100	56,200	37,900
Male.....	427,900	S	7,000	42,800	57,400	68,700	61,300	58,200	54,600	45,600	32,400
Female.....	166,600	S	6,600	23,100	29,500	26,800	25,400	21,700	17,500	10,700	S
Asian.....	119,800	S	2,200	19,900	25,000	25,200	18,200	10,400	8,400	6,600	3,900
American Indian/Alaska Native	3,400	S	S	S	S	S	S	S	S	S	S
Black, non-Hispanic	20,200	S	S	2,500	3,800	2,600	3,000	2,400	2,000	1,100	S
Hispanic.....	17,400	S	S	2,300	3,600	3,300	2,700	2,100	1,300	1,100	S
White, non-Hispanic	432,200	S	8,600	41,000	53,800	63,800	62,100	64,300	59,600	46,900	32,000
Other.....	1,700	S	S	S	S	S	S	S	S	S	S
Scientists.....	497,900	S	11,300	53,600	71,800	77,300	74,500	69,600	62,200	46,800	30,800
Male.....	340,600	S	5,100	32,600	44,800	52,600	50,000	48,600	45,200	36,400	25,400
Female.....	157,200	S	6,200	20,900	27,000	24,700	24,600	21,000	17,000	10,500	5,400
Asian.....	88,800	S	1,300	15,000	19,000	18,700	13,800	7,800	5,800	4,500	2,900
American Indian/Alaska Native	3,000	S	S	200	300	300	400	700	400	300	300
Black, non-Hispanic	18,200	S	2,200	2,200	3,500	2,200	2,700	2,000	1,700	1,000	800
Hispanic.....	14,700	S	400	1,700	3,200	2,900	2,300	1,700	1,100	800	600
White, non-Hispanic	371,800	S	7,300	34,400	45,600	52,800	55,200	57,500	52,800	40,000	26,100
Other	1,400	S	S	100	200	400	S	100	S	S	S
Computer and mathematical scientists.....	88,100	S	3,100	10,000	13,700	15,700	12,000	11,800	10,100	7,800	3,900
Male.....	70,900	S	1,000	7,600	10,600	13,100	9,600	9,400	8,700	7,500	3,500
Female.....	17,100	S	2,200	2,400	3,100	2,600	2,400	2,400	1,400	300	400
Asian.....	24,200	S	400	4,100	4,800	6,200	3,400	2,200	1,200	1,500	500
American Indian/Alaska Native	300	S	S	S	S	S	S	S	S	S	S
Black, non-Hispanic.....	4,500	S	S	300	800	400	500	100	300	100	100
Hispanic.....	1,900	S	S	100	500	200	300	500	100	S	200
White, non-Hispanic	57,000	S	800	5,500	7,600	8,800	7,700	9,000	8,400	6,200	3,000
Other.....	100	S	S	S	S	S	S	S	S	S	S

Individuals in labor force in S&E and S&E-related occupations, by highest degree, occupation, sex, race/ethnicity, and age: 2003

Degree, occupation, sex, and race/ethnicity	All ages	Age (years)									
		<25	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65+
Life and related scientists	175,500	S	4,900	20,500	28,100	29,000	28,900	23,200	18,500	13,700	8,700
Male.....	112,400	S	2,100	11,900	15,500	18,800	18,300	15,100	13,300	10,200	7,100
Female.....	63,100	S	2,800	8,600	12,600	10,200	10,600	8,100	5,200	3,500	1,600
Asian.....	38,200	S	700	6,400	9,100	8,200	6,100	3,000	2,200	1,700	900
American Indian/Alaska Native	900	S	S	S	100	100	100	200	200	S	S
Black, non-Hispanic.....	5,400	S	100	800	1,400	700	1,000	500	500	200	200
Hispanic.....	5,700	S	300	600	1,600	1,300	800	400	300	200	S
White, non-Hispanic	124,900	S	3,700	12,500	15,800	18,400	20,900	19,000	15,500	11,500	7,500
Other.....	400	S	S	S	100	S	S	S	S	S	S
Physical and related scientists	93,000	S	1,900	10,800	14,000	15,300	13,400	11,400	10,100	8,700	7,300
Male.....	79,400	S	1,400	8,200	11,100	12,400	11,700	10,300	9,100	8,100	7,100
Female.....	13,600	S	600	2,600	3,000	2,900	1,700	1,100	1,000	600	200
Asian.....	17,800	S	200	2,900	3,800	3,000	2,600	1,900	1,800	900	800
American Indian/Alaska Native	500	S	S	S	S	S	S	S	S	S	S
Black, non-Hispanic.....	1,500	S	S	300	200	300	200	200	100	100	S
Hispanic.....	1,900	S	S	200	400	400	300	100	100	300	S
White, non-Hispanic	71,200	S	1,700	7,400	9,600	11,500	10,200	9,200	8,100	7,300	6,300
Other.....	200	S	S	S	S	S	S	S	S	S	S
Social and related scientists.....	141,300	S	1,300	12,300	16,000	17,300	20,200	23,300	23,400	16,600	10,900
Male.....	78,000	S	700	4,900	7,600	8,300	10,300	13,900	14,000	10,500	7,800
Female.....	63,300	S	700	7,400	8,400	9,000	9,900	9,400	9,300	6,000	3,200
Asian.....	8,500	S	S	1,600	1,400	1,400	1,700	700	700	400	700
American Indian/Alaska Native	1,400	S	S	100	100	S	200	400	200	200	S
Black, non-Hispanic.....	6,900	S	S	800	1,000	800	1,000	1,200	800	600	500
Hispanic.....	5,100	S	S	700	700	900	900	700	600	300	300
White, non-Hispanic	118,700	S	1,200	9,000	12,700	14,100	16,400	20,300	20,800	15,000	9,300
Other.....	600	S	S	S	S	S	S	S	S	S	S
Engineers.....	96,700	S	2,300	12,400	15,100	18,300	12,100	10,300	9,900	9,400	7,100
Male.....	87,300	S	1,900	10,200	12,600	16,100	11,300	9,600	9,400	9,200	7,000
Female.....	9,400	S	400	2,200	2,500	2,100	800	700	500	200	S
Asian.....	31,000	S	900	4,900	6,000	6,500	4,400	2,600	2,600	2,100	1,000
American Indian/Alaska Native	400	S	S	S	S	S	S	S	S	S	S
Black, non-Hispanic	2,000	S	S	300	300	400	300	400	300	100	S
Hispanic.....	2,700	S	S	600	400	400	400	400	200	300	S
White, non-Hispanic	60,400	S	1,300	6,600	8,200	11,000	6,900	6,800	6,800	6,900	5,900
Other.....	300	S	S	S	S	S	S	S	S	S	S
S&E-related occupations	84,200	S	1,800	7,200	8,900	12,200	12,000	14,700	13,400	8,400	5,300
Male.....	53,900	S	400	3,000	6,500	7,200	8,400	7,800	9,700	6,700	4,100
Female.....	30,400	S	1,400	4,200	2,500	5,000	3,600	6,900	3,700	1,700	1,200
Asian.....	13,000	S	500	1,400	2,400	3,200	1,900	1,500	700	700	700
American Indian/Alaska Native	300	S	S	S	S	S	S	S	S	S	S
Black, non-Hispanic	3,500	S	S	100	300	400	1,100	400	900	200	S

Individuals in labor force in S&E and S&E-related occupations, by highest degree, occupation, sex, race/ethnicity, and age: 2003

Degree, occupation, sex, and race/ethnicity	All ages	Age (years)									
		<25	25–29	30–34	35–39	40–44	45–49	50–54	55–59	60–64	65+
Hispanic.....	3,400	S	S	600	300	300	300	1,100	400	100	S
White, non-Hispanic	63,500	S	1,300	5,100	5,900	8,200	8,300	11,700	11,300	7,400	4,000
Other.....	600	S	S	S	S	S	S	S	S	S	S

S = suppressed for reasons of confidentiality and/or data reliability

^aIncludes professional degrees.

SOURCE: National Science Foundation, Division of Science Resources Statistics, Scientists and Engineers Statistical Data System (SESTAT), preliminary estimates (2003), <http://sestat.nsf.gov>.

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Appendix table 3-17

High-skilled-worker visas in Japan, entries: Selected years, 1992–2003

Source region	1992	1996	1999	2003
All regions	137,961	195,003	240,936	268,048
Asia.....	47,107	86,469	112,690	134,307
North America	53,410	61,942	66,215	61,690
Europe.....	30,912	37,132	47,848	52,540
Other.....	6,532	9,460	14,183	19,511

SOURCES: S. Fuess, Jr., *Highly Skilled Workers and Japan: Is There International Mobility?* University of Nebraska (Lincoln) and Institute for the Study of Labor (Bonn) (2001); and *Japanese Statistical Handbook* (2004).

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Appendix table 3-18

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Foreign-born U.S. residents with S&E and S&E-related highest degree, by degree level and place of birth: 2003

Degree level/place of birth	Residents	Highest degree from outside United States (%)
All degree levels		
India	448,700	56.9
China	294,800	28.1
Philippines	280,300	75.5
Former Soviet Union	146,600	71.0
Canada	142,400	42.5
United Kingdom	116,500	56.0
South Korea	110,200	31.1
Taiwan	108,500	21.8
Germany	104,900	22.3
Vietnam	93,700	8.5
Mexico	87,800	48.6
Iran	82,800	20.5
Japan	59,400	30.7
Cuba	55,700	37.9
Pakistan	46,300	59.7
Poland	40,500	64.4
Colombia	32,200	49.3
Peru	30,100	59.1
Jamaica	29,500	9.8
France	29,100	39.5
Nigeria	28,600	22.8
Egypt	26,700	58.8
Italy	23,600	30.5
Romania	21,400	60.4
Ireland	20,900	45.7
Other foreign born	649,500	35.9
Bachelor's		
Philippines	232,500	78.7
India	195,200	77.7
China	100,700	40.1
Canada	95,900	42.1
Former Soviet Union	73,000	66.2
Vietnam	71,800	8.7
South Korea	69,300	37.4
United Kingdom	68,700	56.3
Germany	63,900	19.9
Mexico	61,600	44.1
Taiwan	42,200	39.5
Iran	40,800	18.6
Japan	40,800	33.5
Cuba	31,900	34.7
Peru	22,300	66.1
Pakistan	21,900	57.7
Jamaica	20,100	9.6
Colombia	19,700	51.1
Nigeria	16,500	17.4
France	16,200	27.8
Poland	15,000	51.4
Dominican Republic	14,100	38.5
Egypt	13,700	77.6
Venezuela	13,600	25.7
Italy	12,500	17.4
Other foreign born	372,000	37.2
Master's		
India	172,700	37.5
China	115,500	14.9
Taiwan	45,600	9.4
Former Soviet Union	43,200	78.1
Iran	24,500	7.8

Appendix table 3-18

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Foreign-born U.S. residents with S&E and S&E-related highest degree, by degree level and place of birth: 2003

Degree level/place of birth	Residents	Highest degree from outside United States (%)
Germany	22,400	18.5
United Kingdom.....	21,100	43.4
Philippines.....	20,000	25.6
South Korea.....	19,800	15.4
Poland.....	18,200	75.6
Canada.....	17,800	29.4
Mexico.....	12,900	54.8
Pakistan.....	11,100	50.2
Japan.....	10,100	18.0
Cuba.....	10,000	25.3
Vietnam.....	8,700	5.2
Ireland.....	8,300	24.1
Jamaica.....	7,800	12.2
France.....	7,500	58.1
Colombia.....	6,900	39.1
Romania.....	6,800	78.9
Nigeria.....	6,200	S
Bangladesh.....	6,000	29.0
Thailand.....	5,700	S
Egypt.....	5,600	32.2
Other foreign born.....	138,300	25.0
Doctoral		
China.....	62,500	23.9
India.....	41,300	34.0
United Kingdom.....	19,300	73.8
Former Soviet Union.....	17,900	80.2
Canada.....	12,900	49.5
Taiwan.....	12,400	S
Germany.....	10,800	46.2
South Korea.....	8,800	12.1
Iran.....	6,500	26.0
Japan.....	5,400	42.2
Egypt.....	3,900	23.9
Poland.....	3,900	64.1
Romania.....	3,900	58.8
France.....	3,800	58.5
Philippines.....	3,800	54.8
Italy.....	3,300	61.3
Cameroon.....	3,300	26.3
Pakistan.....	3,000	29.6
Mexico.....	2,900	46.7
Brazil.....	2,800	62.9
Turkey.....	2,800	S
Nigeria.....	2,700	57.6
Greece.....	2,400	16.3
Former Yugoslavia.....	2,400	43.6
Other foreign born.....	57,300	34.9

S = suppressed for reasons of confidentiality and/or data reliability

NOTE: Data do not include individuals with only foreign degrees who were not in the United States in 2000.

SOURCE: National Science Foundation, Division of Science Resources Statistics, Scientists and Engineers Statistical Data System (SESTAT), preliminary estimates (2003), <http://sestat.nsf.gov>.

