

Appendix table 3-9

## Workers in S&amp;E occupations, by sex and occupation: 2008

Occupation	Total	Female		Male	
		Number	Percent	Number	Percent
Science and engineering occupations	4,874,000	1,308,000	26.8	3,566,000	73.2
Computer and mathematical scientists	1,970,000	518,000	26.3	1,452,000	73.7
Computer and information scientists	1,778,000	441,000	24.8	1,338,000	75.2
Computer and information scientists, research	45,000	11,000	23.5	35,000	76.5
Computer support specialists	193,000	60,000	31.1	133,000	68.9
Computer system analysts	434,000	144,000	33.3	289,000	66.7
Database administrators	100,000	32,000	31.8	68,000	68.2
Network and computer systems administrators	178,000	26,000	14.7	152,000	85.3
Network systems and data communications analysts	88,000	21,000	24.2	67,000	75.8
Other computer information science occupations	145,000	50,000	34.5	95,000	65.5
Computer engineers—software	594,000	96,000	16.1	498,000	83.9
Mathematical scientists	107,000	48,000	45.1	59,000	54.9
Mathematicians	6,000	1,000	22.0	5,000	78.0
Operations research analysts, including modeling	57,000	24,000	41.4	33,000	58.6
Statisticians	39,000	20,000	51.6	19,000	48.4
Other mathematical scientists	6,000	4,000	60.5	2,000	39.5
Postsecondary teachers—computer and math sciences	84,000	29,000	34.6	55,000	65.4
Postsecondary teachers—computer science teachers	22,000	6,000	26.6	16,000	73.4
Postsecondary teachers—mathematics and statistics	62,000	23,000	37.4	39,000	62.6
Biological, agricultural, and other life scientists	498,000	224,000	45.0	274,000	55.0
Agricultural and food scientists	62,000	20,000	32.3	42,000	67.7
Biological and medical scientists	331,000	168,000	50.6	164,000	49.4
Biochemists and biophysicists	45,000	18,000	39.9	27,000	60.1
Biological scientists (e.g., botanists, ecologists, zoologists)	128,000	65,000	50.8	63,000	49.2
Medical scientists (excluding practitioners)	124,000	64,000	51.6	60,000	48.4
Other biological, agricultural, or life scientists	34,000	21,000	60.3	14,000	39.7
Forestry and conservation scientists	35,000	7,000	20.3	28,000	79.7
Postsecondary teachers—life and related sciences	70,000	29,000	42.2	40,000	57.8
Postsecondary teachers—agriculture teachers	8,000	3,000	37.4	5,000	62.6
Postsecondary teachers—biological sciences teachers	59,000	26,000	44.0	33,000	56.0
Postsecondary teachers—other natural sciences teachers	3,000	S	S	2,000	84.4
Physical and related scientists	322,000	96,000	29.7	226,000	70.3
Chemists, except biochemists	129,000	46,000	35.6	83,000	64.4
Earth scientists, geologists, and oceanographers	78,000	17,000	21.4	61,000	78.6
Atmospheric and space scientists	15,000	2,000	15.0	12,000	85.0
Geologists, including earth scientists	59,000	13,000	21.9	46,000	78.1
Oceanographers	4,000	1,000	38.1	2,000	61.9
Physicists and astronomers	27,000	3,000	11.4	24,000	88.6
Astronomers	3,000	1,000	22.2	2,000	77.8
Physicists	25,000	3,000	10.3	22,000	89.7
Other physical scientists	35,000	14,000	40.7	21,000	59.3
Postsecondary teachers—physical and related sciences	54,000	16,000	29.8	38,000	70.2
Postsecondary teachers—chemistry teachers	24,000	7,000	29.3	17,000	70.7
Postsecondary teachers—earth, environmental, and marine sciences teachers	15,000	7,000	44.8	8,000	55.2
Postsecondary teachers—physics teachers	15,000	2,000	15.7	13,000	84.3
Social and related scientists	502,000	266,000	52.9	237,000	47.1
Economists	29,000	9,000	32.1	20,000	67.9
Political scientists	17,000	11,000	61.0	7,000	39.0
Psychologists, including clinical	185,000	125,000	67.5	60,000	32.5
Sociologists and anthropologists	21,000	13,000	61.5	8,000	38.5
Anthropologists	11,000	5,000	48.3	6,000	51.7
Sociologists	10,000	7,000	76.5	2,000	23.5
Other social scientists	134,000	57,000	42.2	78,000	57.8
Postsecondary teachers—social and related sciences	116,000	51,000	44.3	64,000	55.7
Postsecondary teachers—economics teachers	18,000	6,000	31.5	12,000	68.5
Postsecondary teachers—political science teachers	15,000	4,000	29.6	10,000	70.4

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**Workers in S&E occupations, by sex and occupation: 2008**

Occupation	Total	Female		Male	
		Number	Percent	Number	Percent
Postsecondary teachers—psychology teachers	33,000	16,000	49.1	17,000	50.9
Postsecondary teachers—sociology teachers	18,000	8,000	46.5	10,000	53.5
Postsecondary teachers—other social sciences teachers	33,000	17,000	51.7	16,000	48.3
Engineers	1,582,000	204,000	12.9	1,378,000	87.1
Aerospace, aeronautical, or astronautical engineers	100,000	10,000	10.2	90,000	89.8
Agricultural engineers	7,000	1,000	16.5	6,000	83.5
Bioengineering and biomedical engineers	28,000	8,000	28.3	20,000	71.7
Chemical engineers	77,000	16,000	20.5	61,000	79.5
Civil, architectural, or sanitary engineers	258,000	38,000	14.6	220,000	85.4
Electrical or computer hardware engineers	399,000	43,000	10.9	355,000	89.1
Computer engineers—hardware	53,000	10,000	18.8	43,000	81.2
Electrical and electronics engineers	346,000	33,000	9.7	312,000	90.3
Environmental engineers	86,000	19,000	22.7	66,000	77.3
Industrial engineers	93,000	12,000	13.3	81,000	86.7
Marine engineers and naval architects	12,000	1,000	5.1	11,000	94.9
Materials and metallurgical engineers	46,000	9,000	18.9	37,000	81.1
Mechanical engineers	300,000	23,000	7.5	278,000	92.5
Mining and geological engineers	7,000	1,000	13.4	6,000	86.6
Nuclear engineers	17,000	2,000	14.1	15,000	85.9
Petroleum engineers	19,000	1,000	7.3	18,000	92.7
Sales engineers	49,000	5,000	11.1	44,000	88.9
Other engineers	48,000	8,000	17.3	40,000	82.7
Postsecondary teachers—engineering teachers	35,000	6,000	16.3	29,000	83.7

S = suppressed due to reasons of confidentiality and/or reliability

NOTES: Numbers rounded to nearest 1,000. Percentages based on unrounded data.

SOURCE: National Science Foundation, National Center for Science and Engineering Statistics, Scientists and Engineers Statistical Data System (SESTAT) (2008), <http://sestat.nsf.gov>.