

TABLE 5. Employed U.S. scientists and engineers, by level and field of highest degree and occupation: 2006

Field of highest degree and selected occupations	Level of highest degree			
	All degree levels ^a	Bachelor's	Master's	Doctorate
All degree fields and occupations	18,927,000	10,886,000	5,384,000	883,000
S&E occupations	5,024,000	2,911,000	1,497,000	566,000
Biological/agricultural/environmental life scientists	487,000	203,000	113,000	154,000
Computer/mathematical scientists	2,112,000	1,394,000	627,000	83,000
Physical scientists	334,000	159,000	84,000	89,000
Social scientists	470,000	108,000	200,000	142,000
Engineers	1,621,000	1,046,000	474,000	99,000
S&E-related occupations	5,246,000	2,810,000	1,266,000	97,000
Health occupations	3,625,000	1,865,000	646,000	53,000
S&E managers	382,000	199,000	152,000	27,000
S&E precollege teachers	644,000	283,000	343,000	12,000
S&E technologists/technicians	371,000	306,000	59,000	4,000
Other S&E-related occupations	224,000	156,000	67,000	1,000
Non-S&E occupations	8,657,000	5,165,000	2,621,000	220,000
Art/humanities/related occupations	262,000	165,000	82,000	8,000
Management-related occupations	1,361,000	816,000	473,000	42,000
Non-S&E managers	1,118,000	528,000	480,000	67,000
Non-S&E postsecondary teachers	141,000	29,000	57,000	47,000
Non-S&E precollege/other teachers	724,000	360,000	350,000	6,000
Sales/marketing occupations	1,435,000	1,080,000	313,000	16,000
Social services/related occupations	714,000	271,000	410,000	14,000
Other non-S&E occupations	2,902,000	1,915,000	456,000	20,000
Biological/agricultural/environmental life sciences degree fields	1,555,000	1,151,000	210,000	195,000
S&E occupations	479,000	246,000	95,000	138,000
Biological/agricultural/environmental life scientists	346,000	151,000	70,000	124,000
Computer/mathematical scientists	53,000	37,000	10,000	6,000
Physical scientists	46,000	33,000	8,000	5,000
Social scientists	5,000	3,000	1,000	2,000
Engineers	30,000	23,000	5,000	2,000
S&E-related occupations	383,000	303,000	51,000	30,000
Health occupations	235,000	190,000	25,000	20,000
S&E managers	20,000	11,000	2,000	7,000
S&E precollege teachers	58,000	43,000	14,000	1,000
S&E technologists/technicians	68,000	58,000	9,000	1,000
Other S&E-related occupations	3,000	S	S	S
Non-S&E occupations	693,000	602,000	64,000	27,000
Art/humanities/related occupations	26,000	20,000	4,000	2,000
Management-related occupations	90,000	73,000	12,000	5,000
Non-S&E managers	75,000	55,000	9,000	11,000
Non-S&E postsecondary teachers	3,000	1,000	1,000	1,000
Non-S&E precollege/other teachers	31,000	27,000	4,000	*
Sales/marketing occupations	146,000	132,000	11,000	2,000
Social services/related occupations	8,000	6,000	S	*
Other non-S&E occupations	314,000	287,000	23,000	5,000
Computer/mathematical science degree fields	1,586,000	1,123,000	411,000	52,000
S&E occupations	935,000	618,000	274,000	43,000
Biological/agricultural/environmental life scientists	2,000	1,000	1,000	*
Computer/mathematical scientists	878,000	581,000	257,000	40,000
Physical scientists	2,000	2,000	1,000	*
Social scientists	7,000	5,000	2,000	*
Engineers	45,000	29,000	13,000	3,000
S&E-related occupations	188,000	140,000	45,000	2,000
Health occupations	12,000	9,000	3,000	*

TABLE 5. Employed U.S. scientists and engineers, by level and field of highest degree and occupation: 2006

Field of highest degree and selected occupations	Level of highest degree			
	All degree levels ^a	Bachelor's	Master's	Doctorate
S&E managers	47,000	29,000	17,000	1,000
S&E precollege teachers	54,000	42,000	11,000	*
S&E technologists/technicians	53,000	43,000	9,000	1,000
Other S&E-related occupations	23,000	17,000	6,000	*
Non-S&E occupations	463,000	365,000	92,000	6,000
Art/humanities/related occupations	12,000	12,000	S	*
Management-related occupations	112,000	82,000	28,000	1,000
Non-S&E managers	68,000	45,000	21,000	2,000
Non-S&E postsecondary teachers	6,000	2,000	2,000	1,000
Non-S&E precollege/other teachers	20,000	17,000	4,000	S
Sales/marketing occupations	88,000	71,000	17,000	1,000
Social services/related occupations	8,000	7,000	S	*
Other non-S&E occupations	147,000	128,000	19,000	*
Physical/related science degree fields	688,000	419,000	132,000	137,000
S&E occupations	376,000	186,000	83,000	106,000
Biological/agricultural/environmental life scientists	25,000	10,000	5,000	11,000
Computer/mathematical scientists	59,000	37,000	14,000	8,000
Physical scientists	234,000	102,000	55,000	77,000
Social scientists	1,000	1,000	*	*
Engineers	56,000	37,000	9,000	10,000
S&E-related occupations	89,000	58,000	21,000	11,000
Health occupations	25,000	21,000	3,000	2,000
S&E managers	15,000	5,000	4,000	6,000
S&E precollege teachers	27,000	13,000	13,000	2,000
S&E technologists/technicians	20,000	17,000	2,000	1,000
Other S&E-related occupations	1,000	S	S	S
Non-S&E occupations	223,000	175,000	27,000	21,000
Art/humanities/related occupations	7,000	4,000	S	1,000
Management-related occupations	51,000	39,000	6,000	5,000
Non-S&E managers	41,000	27,000	6,000	8,000
Non-S&E postsecondary teachers	1,000	1,000	S	*
Non-S&E precollege/other teachers	8,000	6,000	2,000	*
Sales/marketing occupations	42,000	35,000	4,000	3,000
Social services/related occupations	4,000	4,000	S	*
Other non-S&E occupations	71,000	61,000	7,000	3,000
Social/related science degree fields	3,890,000	2,988,000	694,000	188,000
S&E occupations	531,000	218,000	164,000	135,000
Biological/agricultural/environmental life scientists	18,000	9,000	5,000	4,000
Computer/mathematical scientists	155,000	127,000	23,000	5,000
Physical scientists	7,000	5,000	1,000	1,000
Social scientists	334,000	64,000	130,000	125,000
Engineers	18,000	13,000	4,000	1,000
S&E-related occupations	288,000	222,000	57,000	8,000
Health occupations	159,000	129,000	26,000	4,000
S&E managers	34,000	20,000	10,000	3,000
S&E precollege teachers	55,000	40,000	15,000	*
S&E technologists/technicians	34,000	30,000	4,000	*
Other S&E-related occupations	6,000	4,000	2,000	S
Non-S&E occupations	3,071,000	2,548,000	473,000	45,000
Art/humanities/related occupations	103,000	83,000	17,000	3,000
Management-related occupations	484,000	406,000	69,000	9,000
Non-S&E managers	258,000	181,000	62,000	14,000
Non-S&E postsecondary teachers	35,000	17,000	9,000	9,000
Non-S&E precollege/other teachers	235,000	192,000	43,000	1,000

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Field of highest degree and selected occupations	Level of highest degree			
	All degree levels ^a	Bachelor's	Master's	Doctorate
Sales/marketing occupations	585,000	534,000	48,000	2,000
Social services/related occupations	352,000	210,000	137,000	3,000
Other non-S&E occupations	1,017,000	924,000	88,000	4,000
Engineering degree fields	2,437,000	1,735,000	575,000	127,000
S&E occupations	1,609,000	1,077,000	432,000	100,000
Biological/agricultural/environmental life scientists	10,000	4,000	3,000	3,000
Computer/mathematical scientists	340,000	216,000	110,000	14,000
Physical scientists	18,000	8,000	6,000	4,000
Social scientists	5,000	3,000	2,000	*
Engineers	1,235,000	844,000	311,000	79,000
S&E-related occupations	195,000	147,000	39,000	9,000
Health occupations	14,000	12,000	2,000	1,000
S&E managers	89,000	62,000	21,000	6,000
S&E precollege teachers	11,000	8,000	3,000	1,000
S&E technologists/technicians	62,000	52,000	9,000	1,000
Other S&E-related occupations	18,000	13,000	5,000	S
Non-S&E occupations	633,000	512,000	104,000	18,000
Art/humanities/related occupations	8,000	5,000	2,000	*
Management-related occupations	98,000	74,000	19,000	4,000
Non-S&E managers	169,000	121,000	39,000	9,000
Non-S&E postsecondary teachers	4,000	1,000	2,000	1,000
Non-S&E precollege/other teachers	8,000	5,000	3,000	S
Sales/marketing occupations	129,000	107,000	20,000	2,000
Social services/related occupations	6,000	5,000	S	S
Other non-S&E occupations	211,000	193,000	17,000	1,000
S&E-related degree fields	4,587,000	2,399,000	1,012,000	57,000
S&E occupations	271,000	150,000	80,000	21,000
Biological/agricultural/environmental life scientists	47,000	8,000	12,000	10,000
Computer/mathematical scientists	117,000	76,000	35,000	5,000
Physical scientists	10,000	3,000	6,000	1,000
Social scientists	26,000	9,000	13,000	2,000
Engineers	71,000	54,000	15,000	2,000
S&E-related occupations	3,304,000	1,571,000	650,000	23,000
Health occupations	2,895,000	1,350,000	472,000	20,000
S&E managers	68,000	32,000	31,000	1,000
S&E precollege teachers	146,000	49,000	93,000	S
S&E technologists/technicians	38,000	31,000	5,000	S
Other S&E-related occupations	156,000	108,000	48,000	S
Non-S&E occupations	1,013,000	677,000	282,000	13,000
Art/humanities/related occupations	38,000	21,000	15,000	S
Management-related occupations	126,000	80,000	40,000	3,000
Non-S&E managers	127,000	64,000	46,000	4,000
Non-S&E postsecondary teachers	15,000	4,000	7,000	3,000
Non-S&E precollege/other teachers	134,000	72,000	59,000	S
Sales/marketing occupations	188,000	156,000	26,000	1,000
Social services/related occupations	65,000	30,000	32,000	1,000
Other non-S&E occupations	321,000	251,000	56,000	1,000
Non-S&E degree fields	4,184,000	1,071,000	2,350,000	127,000
S&E occupations	823,000	416,000	370,000	22,000
Biological/agricultural/environmental life scientists	38,000	19,000	17,000	2,000
Computer/mathematical scientists	511,000	320,000	178,000	6,000
Physical scientists	16,000	7,000	6,000	S
Social scientists	92,000	23,000	52,000	12,000
Engineers	167,000	46,000	116,000	2,000

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	All degree levels ^a	Bachelor's	Master's	Doctorate
S&E-related occupations	799,000	370,000	402,000	14,000
Health occupations	285,000	155,000	116,000	6,000
S&E managers	109,000	40,000	67,000	S
S&E precollege teachers	292,000	88,000	194,000	7,000
S&E technologists/technicians	97,000	75,000	21,000	S
Other S&E-related occupations	17,000	12,000	4,000	S
Non-S&E occupations	2,561,000	286,000	1,578,000	91,000
Art/humanities/related occupations	69,000	21,000	41,000	1,000
Management-related occupations	400,000	61,000	297,000	14,000
Non-S&E managers	380,000	35,000	297,000	20,000
Non-S&E postsecondary teachers	76,000	3,000	36,000	31,000
Non-S&E precollege/other teachers	288,000	41,000	236,000	5,000
Sales/marketing occupations	257,000	45,000	187,000	4,000
Social services/related occupations	270,000	8,000	238,000	10,000
Other non-S&E occupations	820,000	72,000	245,000	6,000

* = estimate < 500; S = suppressed for reliability or confidentiality.

S&E = science and engineering.

^aTotal includes professional degrees not broken out separately.

NOTES: Scientists and engineers include any person who has ever received a bachelor's or higher degree in a science or engineering (S&E) or S&E-related field through 2005, plus any person holding a non-S&E bachelor's or higher degree who was employed in a S&E or S&E-related occupation in 2003. See <http://sestat.nsf.gov/docs/ed03maj.html> for a detailed description of the educational field classification and <http://sestat.nsf.gov/docs/occ03maj.html> for a detailed description of the occupational classification. Numbers are rounded to the nearest thousand. Detail may not add to total because of rounding.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Scientists and Engineers Statistical Data System (SESTAT): 2006.