

TABLE 7. Employed U.S. scientists and engineers, by level and field of highest degree, employment sector, and primary/secondary work activity: 2008

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

TABLE 7. Employed U.S. scientists and engineers, by level and field of highest degree, employment sector, and primary/secondary work activity: 2008

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

TABLE 7. Employed U.S. scientists and engineers, by level and field of highest degree, employment sector, and primary/secondary work activity: 2008

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

TABLE 7. Employed U.S. scientists and engineers, by level and field of highest degree, employment sector, and primary/secondary work activity: 2008

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

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

TABLE 7. Employed U.S. scientists and engineers, by level and field of highest degree, employment sector, and primary/secondary work activity: 2008

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

TABLE 7. Employed U.S. scientists and engineers, by level and field of highest degree, employment sector, and primary/secondary work activity: 2008

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

TABLE 7. Employed U.S. scientists and engineers, by level and field of highest degree, employment sector, and primary/secondary work activity: 2008

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

TABLE 7. Employed U.S. scientists and engineers, by level and field of highest degree, employment sector, and primary/secondary work activity: 2008

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

TABLE 7. Employed U.S. scientists and engineers, by level and field of highest degree, employment sector, and primary/secondary work activity: 2008

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

TABLE 7. Employed U.S. scientists and engineers, by level and field of highest degree, employment sector, and primary/secondary work activity: 2008

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

TABLE 7. Employed U.S. scientists and engineers, by level and field of highest degree, employment sector, and primary/secondary work activity: 2008

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

TABLE 7. Employed U.S. scientists and engineers, by level and field of highest degree, employment sector, and primary/secondary work activity: 2008

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

TABLE 7. Employed U.S. scientists and engineers, by level and field of highest degree, employment sector, and primary/secondary work activity: 2008

Level and field of highest degree and employment sector	Employed scientists and engineers	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, administration	Computer applications	Other
Computer/mathematical sciences	60,000	41,000	25,000	18,000	15,000	6,000
Business/industry	27,000	18,000	*	11,000	12,000	4,000
4-year college/university	30,000	21,000	23,000	6,000	2,000	2,000
Other educational institution	2,000	*	1,000	*	*	*
Government	3,000	2,000	D	1,000	1,000	*
Computer/information sciences	24,000	16,000	6,000	8,000	8,000	3,000
Business/industry	14,000	9,000	*	6,000	6,000	S
4-year college/university	9,000	7,000	6,000	2,000	1,000	1,000
Other educational institution	*	D	*	D	*	D
Government	1,000	1,000	D	*	*	D
Mathematical sciences	37,000	25,000	18,000	10,000	7,000	3,000
Business/industry	13,000	9,000	*	5,000	5,000	2,000
4-year college/university	21,000	14,000	17,000	4,000	1,000	1,000
Other educational institution	1,000	*	1,000	*	D	*
Government	2,000	1,000	D	1,000	1,000	*
Physical/related sciences	140,000	98,000	35,000	58,000	16,000	19,000
Business/industry	74,000	52,000	2,000	38,000	10,000	13,000
4-year college/university	49,000	35,000	29,000	14,000	4,000	4,000
Other educational institution	5,000	1,000	4,000	1,000	*	1,000
Government	13,000	10,000	*	5,000	2,000	2,000
Chemistry, except biochemistry	71,000	48,000	15,000	34,000	4,000	11,000
Business/industry	44,000	30,000	1,000	25,000	3,000	8,000
4-year college/university	20,000	13,000	11,000	6,000	1,000	2,000
Other educational institution	3,000	*	2,000	1,000	D	*
Government	5,000	4,000	D	2,000	*	1,000
Earth/atmospheric/ocean sciences	19,000	14,000	7,000	7,000	2,000	3,000
Business/industry	6,000	4,000	1,000	3,000	1,000	1,000
4-year college/university	10,000	7,000	6,000	3,000	1,000	1,000
Other educational institution	1,000	*	*	*	D	D
Government	3,000	2,000	D	2,000	*	1,000
Physics/astronomy	48,000	35,000	13,000	16,000	10,000	5,000
Business/industry	24,000	17,000	1,000	10,000	6,000	3,000
4-year college/university	19,000	14,000	11,000	4,000	2,000	1,000
Other educational institution	1,000	*	1,000	*	D	*
Government	5,000	4,000	D	1,000	1,000	1,000
Other physical sciences	2,000	2,000	1,000	1,000	*	*
Business/industry	1,000	1,000	D	*	D	*
4-year college/university	1,000	1,000	1,000	*	D	D
Other educational institution	D	D	D	D	D	D
Government	*	*	D	*	D	D
Social/related sciences	196,000	97,000	76,000	83,000	5,000	74,000
Business/industry	76,000	26,000	6,000	41,000	3,000	47,000
4-year college/university	91,000	60,000	63,000	27,000	1,000	13,000
Other educational institution	9,000	2,000	5,000	3,000	*	4,000
Government	19,000	8,000	1,000	11,000	1,000	10,000
Economics	24,000	16,000	10,000	9,000	1,000	4,000
Business/industry	8,000	4,000	*	5,000	1,000	3,000
4-year college/university	13,000	10,000	9,000	3,000	*	1,000
Other educational institution	*	*	*	*	D	D
Government	3,000	2,000	D	2,000	*	1,000

TABLE 7. Employed U.S. scientists and engineers, by level and field of highest degree, employment sector, and primary/secondary work activity: 2008

Level and field of highest degree and employment sector	Employed scientists and engineers	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, administration	Computer applications	Other
Political/related sciences	22,000	12,000	12,000	9,000	*	4,000
Business/industry	6,000	2,000	*	4,000	*	2,000
4-year college/university	13,000	9,000	11,000	4,000	*	1,000
Other educational institution	1,000	*	1,000	*	D	*
Government	2,000	1,000	D	1,000	D	1,000
Psychology	106,000	41,000	29,000	48,000	2,000	57,000
Business/industry	53,000	14,000	4,000	27,000	1,000	38,000
4-year college/university	36,000	23,000	21,000	12,000	1,000	8,000
Other educational institution	6,000	1,000	2,000	2,000	*	3,000
Government	11,000	3,000	1,000	7,000	*	7,000
Sociology/anthropology	27,000	17,000	16,000	10,000	1,000	5,000
Business/industry	6,000	3,000	*	3,000	*	2,000
4-year college/university	19,000	12,000	15,000	5,000	*	2,000
Other educational institution	1,000	*	1,000	*	D	*
Government	2,000	2,000	D	1,000	*	1,000
Other social sciences	17,000	11,000	8,000	7,000	*	3,000
Business/industry	4,000	2,000	*	2,000	*	2,000
4-year college/university	10,000	7,000	7,000	3,000	*	1,000
Other educational institution	1,000	*	1,000	*	D	*
Government	1,000	1,000	D	1,000	D	*
Engineering	140,000	105,000	23,000	54,000	23,000	17,000
Business/industry	92,000	70,000	1,000	39,000	19,000	13,000
4-year college/university	36,000	27,000	21,000	10,000	2,000	2,000
Other educational institution	1,000	D	1,000	*	D	*
Government	10,000	8,000	*	5,000	2,000	2,000
Aerospace/related engineering	7,000	5,000	1,000	2,000	1,000	*
Business/industry	4,000	4,000	D	2,000	1,000	*
4-year college/university	2,000	1,000	1,000	*	D	*
Other educational institution	D	D	D	D	D	D
Government	1,000	1,000	D	*	D	D
Chemical engineering	18,000	13,000	2,000	7,000	2,000	3,000
Business/industry	13,000	10,000	*	6,000	2,000	2,000
4-year college/university	3,000	2,000	2,000	1,000	D	*
Other educational institution	*	D	D	D	D	D
Government	1,000	1,000	D	*	*	*
Civil/architectural engineering	12,000	9,000	3,000	5,000	1,000	2,000
Business/industry	6,000	4,000	D	3,000	1,000	1,000
4-year college/university	4,000	3,000	3,000	1,000	*	*
Other educational institution	D	D	D	D	D	D
Government	2,000	1,000	D	1,000	D	*
Electrical/computer engineering	42,000	32,000	8,000	14,000	10,000	4,000
Business/industry	29,000	23,000	*	11,000	8,000	3,000
4-year college/university	11,000	8,000	7,000	3,000	1,000	1,000
Other educational institution	*	D	*	D	D	D
Government	2,000	1,000	D	1,000	*	D
Industrial engineering	4,000	3,000	1,000	2,000	1,000	1,000
Business/industry	2,000	1,000	D	1,000	1,000	*
4-year college/university	2,000	1,000	1,000	*	D	*
Other educational institution	D	D	D	D	D	D
Government	*	D	D	*	D	D

TABLE 7. Employed U.S. scientists and engineers, by level and field of highest degree, employment sector, and primary/secondary work activity: 2008

Level and field of highest degree and employment sector	Employed scientists and engineers	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, administration	Computer applications	Other
Mechanical engineering	19,000	14,000	3,000	7,000	3,000	2,000
Business/industry	13,000	10,000	D	5,000	2,000	2,000
4-year college/university	4,000	3,000	2,000	2,000	*	*
Other educational institution	*	D	*	D	D	D
Government	1,000	1,000	D	1,000	*	*
Other engineering	39,000	29,000	6,000	16,000	5,000	6,000
Business/industry	25,000	18,000	*	12,000	4,000	4,000
4-year college/university	10,000	8,000	5,000	3,000	1,000	1,000
Other educational institution	*	D	*	*	D	D
Government	4,000	3,000	D	2,000	*	1,000
S&E-related fields	66,000	40,000	25,000	26,000	4,000	22,000
Business/industry	25,000	14,000	2,000	11,000	2,000	13,000
4-year college/university	27,000	18,000	17,000	8,000	1,000	5,000
Other educational institution	5,000	3,000	4,000	2,000	D	1,000
Government	9,000	6,000	S	5,000	1,000	3,000
Health	50,000	28,000	16,000	22,000	2,000	19,000
Business/industry	20,000	9,000	2,000	10,000	1,000	11,000
4-year college/university	20,000	13,000	11,000	7,000	*	4,000
Other educational institution	1,000	S	S	*	D	*
Government	9,000	6,000	S	4,000	1,000	3,000
Science/mathematics teacher education	8,000	5,000	7,000	3,000	D	D
Business/industry	D	D	D	D	D	D
4-year college/university	4,000	3,000	4,000	1,000	D	D
Other educational institution	4,000	D	3,000	D	D	D
Government	D	D	D	D	D	D
Technology/technical fields	4,000	3,000	D	S	1,000	D
Business/industry	2,000	2,000	D	D	1,000	D
4-year college/university	S	S	D	D	D	D
Other educational institution	D	D	D	D	D	D
Government	D	D	D	D	D	D
Other S&E-related fields	4,000	4,000	1,000	1,000	D	D
Business/industry	D	D	D	D	D	D
4-year college/university	1,000	1,000	1,000	D	D	D
Other educational institution	D	D	D	D	D	D
Government	D	D	D	D	D	D
Non-S&E fields	126,000	49,000	66,000	63,000	5,000	32,000
Business/industry	41,000	11,000	7,000	28,000	2,000	17,000
4-year college/university	53,000	28,000	41,000	18,000	1,000	9,000
Other educational institution	28,000	8,000	17,000	16,000	D	5,000
Government	4,000	S	D	S	S	D
Arts/humanities	16,000	7,000	9,000	6,000	D	4,000
Business/industry	3,000	S	D	1,000	D	S
4-year college/university	10,000	5,000	8,000	3,000	D	2,000
Other educational institution	1,000	D	1,000	D	D	D
Government	D	D	D	D	D	D
Education, except science/mathematics teacher education	58,000	19,000	30,000	32,000	S	16,000
Business/industry	13,000	4,000	3,000	8,000	D	5,000
4-year college/university	21,000	9,000	15,000	9,000	D	6,000
Other educational institution	23,000	5,000	12,000	14,000	D	5,000
Government	S	D	D	D	D	D

TABLE 7. Employed U.S. scientists and engineers, by level and field of highest degree, employment sector, and primary/secondary work activity: 2008

Level and field of highest degree and employment sector	Employed scientists and engineers	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, administration	Computer applications	Other
Management/administration	15,000	8,000	7,000	6,000	D	S
Business/industry	6,000	S	D	4,000	D	D
4-year college/university	8,000	6,000	7,000	2,000	D	D
Other educational institution	D	D	D	D	D	D
Government	D	D	D	D	D	D
Sales/marketing	2,000	2,000	1,000	D	D	D
Business/industry	D	D	D	D	D	D
4-year college/university	2,000	2,000	1,000	D	D	D
Other educational institution	D	D	D	D	D	D
Government	D	D	D	D	D	D
Social services/related	19,000	6,000	12,000	9,000	S	6,000
Business/industry	9,000	D	3,000	6,000	D	4,000
4-year college/university	7,000	3,000	6,000	2,000	D	S
Other educational institution	S	D	S	D	D	D
Government	D	D	D	D	D	D
Other non-S&E fields	17,000	8,000	6,000	10,000	S	4,000
Business/industry	10,000	3,000	D	8,000	D	3,000
4-year college/university	6,000	4,000	5,000	1,000	D	D
Other educational institution	D	D	D	D	D	D
Government	1,000	D	D	D	D	D

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

S&E = science and engineering.

^a Total includes professional degrees not broken out separately.

NOTES: Scientists and engineers include any person who has ever received bachelor's or higher degree in S&E or S&E-related field through 30 June 2007, plus any person holding non-S&E bachelor's or higher degree who was employed in S&E or S&E-related occupation on 1 October 2003. See <http://sestat.nsf.gov/docs/ed03maj.html> for detailed description of educational field classification, and see <http://sestat.nsf.gov/docs/occ03maj.html> for detailed description of occupational classification. Business/industry includes self-employed individuals, nonprofit organizations, and other unspecified types of employers. Four-year college/university includes medical schools and university-affiliated research institutes. Other educational institution includes 2-year colleges, precollege institutions, and other educational institutions. Government includes federal (civilian), military, state, and local employers. Numbers are rounded to nearest thousand. Detail may not add to total because of rounding.

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