

Table B-2. U.S. scientists and engineers, by level and field of highest degree attained, sex, and employment status: 1999

Level and field of highest degree, and sex	S&Es, total	Employed			Unemploy- ed/seeking job	Not in labor force		
		Total	Full-time	Part-time		Total	Retired	Not seeking job
All degree levels¹								
All degree fields, total	13,050,800	10,981,600	9,793,300	1,188,400	194,400	1,874,800	1,092,900	781,900
Male	8,304,100	7,171,500	6,712,600	458,800	117,700	1,014,900	823,600	191,400
Female	4,746,700	3,810,200	3,080,600	729,500	76,700	859,900	269,300	590,500
S&E degree fields, total	9,614,400	7,980,100	7,124,200	855,900	151,300	1,483,000	833,900	649,100
Male	6,108,600	5,216,100	4,892,400	323,700	91,100	801,400	640,000	161,400
Female	3,505,800	2,764,000	2,231,800	532,200	60,200	681,600	193,900	487,700
Sciences, total	7,291,100	6,043,700	5,294,900	748,800	120,100	1,127,300	537,600	589,800
Male	4,008,400	3,463,400	3,223,600	239,700	63,900	481,200	347,500	133,700
Female	3,282,600	2,580,300	2,071,300	509,100	56,200	646,100	190,100	456,000
Computer/math sciences, total	1,185,600	1,045,800	957,800	88,000	13,100	126,700	71,000	55,700
Male	778,100	707,200	674,900	32,300	10,700	60,200	48,200	12,000
Female	407,400	338,600	282,900	55,700	2,300	66,500	22,800	43,700
Computer/information sciences	625,300	586,500	556,600	29,900	7,200	31,600	7,900	23,700
Male	440,300	424,400	415,200	9,200	5,600	10,300	5,400	4,900
Female	185,000	162,100	141,500	20,700	1,500	21,300	2,500	18,800
Mathematical sciences	560,300	459,300	401,200	58,100	5,900	95,100	63,100	32,000
Male	337,800	282,800	259,800	23,000	5,100	49,900	42,900	7,100
Female	222,500	176,500	141,400	35,100	800	45,100	20,200	24,900
Life/related sciences, total	1,582,900	1,287,700	1,136,900	150,800	24,000	271,200	111,300	159,900
Male	893,600	753,100	705,800	47,300	11,100	129,400	80,200	49,100
Female	689,300	534,600	431,100	103,500	12,900	141,800	31,100	110,700
Agricultural/food sciences	276,000	230,400	207,400	23,000	1,800	43,800	29,500	14,300
Male	202,100	170,000	160,300	9,700	800	31,200	27,600	3,700
Female	74,000	60,300	47,100	13,300	1,000	12,600	1,900	10,700
Biological sciences	1,186,600	955,300	837,800	117,500	19,800	211,500	72,000	139,400
Male	606,400	511,000	477,000	34,000	8,600	86,800	43,000	43,800
Female	580,200	444,300	360,800	83,500	11,200	124,700	29,000	95,600
Environmental life sciences	120,300	102,100	91,700	10,400	2,300	15,900	9,800	6,100
Male	85,100	72,100	68,400	3,700	1,700	11,300	9,700	1,700
Female	35,200	30,000	23,300	6,700	700	4,600	100	4,400
Physical/related sciences, total	777,400	621,700	562,700	59,000	13,600	142,100	99,500	42,500
Male	586,300	483,400	447,800	35,700	9,500	93,400	81,200	12,200
Female	191,100	138,300	114,900	23,400	4,100	48,700	18,300	30,400
Chemistry, except biochemistry	363,700	276,200	251,900	24,300	6,800	80,700	52,500	28,200
Male	244,300	196,000	183,500	12,400	3,800	44,600	37,100	7,500
Female	119,400	80,200	68,300	11,900	3,000	36,100	15,400	20,700
Earth science, geology and oceanography	178,900	152,800	137,000	15,800	2,800	23,300	17,700	5,700
Male	145,300	124,600	116,000	8,600	2,100	18,600	17,200	1,300
Female	33,600	28,200	21,000	7,200	700	4,800	400	4,300

See explanatory information, if any, and SOURCE at end of table.

Table B-2. U.S. scientists and engineers, by level and field of highest degree attained, sex, and employment status: 1999

Level and field of highest degree, and sex	S&Es, total	Employed			Unemploy- ed/seeking job	Not in labor force		
		Total	Full-time	Part-time		Total	Retired	Not seeking job
All degree levels¹ — continued								
Physics/astronomy	174,500	144,000	130,900	13,100	2,900	27,600	22,500	5,000
Male	155,300	128,800	118,500	10,300	2,700	23,700	21,200	2,500
Female	19,300	15,200	12,400	2,800	200	3,800	1,300	2,500
Other physical sciences	60,300	48,800	42,900	5,900	1,100	10,400	6,800	3,600
Male	41,400	34,000	29,700	4,300	900	6,500	5,700	800
Female	18,800	14,700	13,200	1,500	100	3,900	1,200	2,800
Social/related sciences, total	3,745,200	3,088,400	2,637,500	450,900	69,400	587,400	255,700	331,700
Male	1,750,400	1,519,600	1,395,200	124,400	32,500	198,300	137,800	60,500
Female	1,994,800	1,568,800	1,242,300	326,400	36,900	389,100	117,900	271,200
Economics	487,000	406,500	369,900	36,600	7,600	72,900	47,700	25,200
Male	359,300	307,100	286,400	20,700	5,500	46,800	39,300	7,500
Female	127,700	99,500	83,500	16,000	2,100	26,200	8,400	17,700
Political/related sciences	683,800	567,000	501,200	65,800	13,100	103,700	43,000	60,800
Male	415,700	356,700	329,900	26,800	8,800	50,300	30,600	19,700
Female	268,100	210,300	171,300	39,000	4,300	53,500	12,400	41,100
Psychology	1,408,600	1,166,100	957,800	208,300	29,300	213,200	76,900	136,300
Male	494,200	434,600	393,200	41,400	10,700	48,900	31,800	17,100
Female	914,400	731,500	564,700	166,900	18,600	164,300	45,100	119,200
Sociology/anthropology	734,900	592,700	503,400	89,300	13,200	129,000	50,800	78,200
Male	275,800	244,300	224,300	19,900	5,300	26,200	16,400	9,800
Female	459,100	348,400	279,000	69,400	7,900	102,800	34,400	68,400
Other social sciences	430,900	356,100	305,200	50,900	6,200	68,600	37,400	31,300
Male	205,400	177,000	161,400	15,600	2,200	26,200	19,700	6,500
Female	225,600	179,100	143,800	35,300	4,000	42,500	17,700	24,800
Engineering, total	2,323,300	1,936,400	1,829,200	107,100	31,200	355,700	296,400	59,300
Male	2,100,200	1,752,700	1,668,800	84,000	27,200	320,200	292,500	27,700
Female	223,200	183,700	160,500	23,200	4,000	35,500	3,800	31,600
Aerospace/related engineering	91,900	76,300	71,700	4,700	1,400	14,200	11,100	3,100
Male	86,300	71,600	67,300	4,200	1,400	13,300	11,100	2,300
Female	5,600	4,800	4,300	500	S	800	S	800
Chemical engineering	182,800	147,700	139,400	8,300	2,800	32,400	27,100	5,300
Male	149,700	119,800	114,300	5,500	2,200	27,600	26,000	1,600
Female	33,100	27,800	25,100	2,800	500	4,800	1,100	3,700
Civil/architectural engineering	386,700	330,200	311,500	18,700	2,400	54,100	43,200	10,900
Male	346,300	296,900	282,400	14,500	2,000	47,400	42,600	4,700
Female	40,400	33,300	29,000	4,300	400	6,700	600	6,100
Electrical/related engineering	696,900	587,000	559,900	27,100	11,100	98,800	82,100	16,700
Male	646,300	547,200	524,800	22,400	9,600	89,600	81,200	8,400
Female	50,600	39,800	35,200	4,700	1,600	9,200	900	8,300

See explanatory information, if any, and SOURCE at end of table.

Table B-2. U.S. scientists and engineers, by level and field of highest degree attained, sex, and employment status: 1999

Level and field of highest degree, and sex	S&Es, total	Employed			Unemploy- ed/seeking job	Not in labor force		
		Total	Full-time	Part-time		Total	Retired	Not seeking job
All degree levels¹ — continued								
Industrial engineering	129,900	106,200	97,700	8,500	1,200	22,600	18,700	3,900
Male	106,100	85,500	80,200	5,300	900	19,700	18,700	1,000
Female	23,800	20,700	17,500	3,200	200	2,900	S	2,900
Mechanical engineering	469,300	386,000	366,500	19,500	5,600	77,700	69,100	8,600
Male	442,200	363,400	347,100	16,300	5,200	73,600	68,700	4,900
Female	27,000	22,600	19,300	3,200	300	4,100	400	3,800
Other engineering	365,800	303,000	282,600	20,400	6,800	56,000	45,000	11,000
Male	323,200	268,300	252,500	15,800	5,800	49,000	44,200	4,900
Female	42,600	34,700	30,100	4,600	900	7,000	900	6,100
Non-S&E degrees, total	3,436,400	3,001,500	2,669,100	332,400	43,100	391,800	259,000	132,800
Male	2,195,400	1,955,400	1,820,200	135,100	26,600	213,500	183,600	29,900
Female	1,240,900	1,046,100	848,800	197,300	16,500	178,300	75,400	102,900
Bachelor's								
All degree fields, total	7,682,100	6,350,100	5,669,800	680,300	125,800	1,206,200	639,100	567,100
Male	4,789,600	4,084,400	3,844,900	239,500	75,300	629,900	494,300	135,600
Female	2,892,500	2,265,700	1,824,900	440,700	50,500	576,300	144,800	431,500
S&E degree fields, total	7,131,300	5,866,100	5,230,700	635,400	116,300	1,148,900	604,200	544,700
Male	4,422,100	3,758,600	3,535,100	223,500	68,600	595,000	465,800	129,200
Female	2,709,200	2,107,500	1,695,600	412,000	47,700	553,900	138,300	415,600
Sciences, total	5,441,700	4,486,100	3,929,200	556,900	95,300	860,300	358,100	502,200
Male	2,893,900	2,509,900	2,348,800	161,100	50,100	333,900	222,600	111,300
Female	2,547,900	1,976,300	1,580,500	395,800	45,200	526,400	135,500	390,900
Computer/math sciences, total	845,300	742,700	685,700	57,000	9,100	93,500	47,100	46,500
Male	539,100	491,000	474,500	16,600	7,300	40,800	31,900	8,800
Female	306,200	251,700	211,200	40,500	1,800	52,800	15,100	37,600
Computer/information sciences	440,300	413,500	394,300	19,200	4,900	21,900	2,200	19,700
Male	304,100	295,800	291,500	4,400	3,800	4,500	1,500	3,000
Female	136,300	117,700	102,900	14,800	1,100	17,400	700	16,700
Mathematical sciences	404,900	329,200	291,300	37,800	4,200	71,600	44,900	26,700
Male	235,000	195,200	183,000	12,200	3,500	36,300	30,500	5,800
Female	170,000	134,000	108,300	25,600	700	35,300	14,400	20,900
Life/related sciences, total	1,177,300	947,000	826,700	120,300	19,000	211,300	74,600	136,800
Male	640,400	538,000	502,700	35,300	9,200	93,300	52,000	41,300
Female	536,900	409,000	324,000	85,000	9,800	118,100	22,600	95,500
Agricultural/food sciences	220,100	182,300	165,300	17,000	1,000	36,800	24,600	12,300
Male	160,600	133,900	127,700	6,200	300	26,400	23,300	3,100
Female	59,400	48,400	37,600	10,700	600	10,500	1,300	9,200
Biological sciences	863,900	686,000	591,100	94,900	16,200	161,700	42,300	119,300
Male	413,000	347,900	321,800	26,100	7,200	57,800	21,000	36,800
Female	450,900	338,100	269,300	68,800	9,000	103,800	21,300	82,500

See explanatory information, if any, and SOURCE at end of table.

Table B-2. U.S. scientists and engineers, by level and field of highest degree attained, sex, and employment status: 1999

Level and field of highest degree, and sex	S&Es, total	Employed			Unemploy- ed/seeking job	Not in labor force		
		Total	Full-time	Part-time		Total	Retired	Not seeking job
Bachelor's — continued								
Environmental life sciences	93,400	78,700	70,300	8,400	1,900	12,800	7,700	5,200
Male	66,800	56,100	53,200	2,900	1,600	9,000	7,700	1,400
Female	26,600	22,600	17,100	5,500	200	3,800	S	3,800
Physical/related sciences, total	486,200	380,900	341,700	39,200	9,600	95,700	63,100	32,600
Male	350,400	287,500	265,800	21,700	6,400	56,400	48,400	8,100
Female	135,800	93,300	75,900	17,500	3,200	39,300	14,700	24,500
Chemistry, except biochemistry	238,800	175,100	159,400	15,700	4,800	59,000	35,400	23,500
Male	148,900	117,900	110,700	7,200	2,300	28,700	22,800	5,900
Female	90,000	57,200	48,600	8,500	2,500	30,300	12,600	17,700
Earth science, geology and oceanography	117,900	101,800	90,400	11,400	1,900	14,200	11,300	2,900
Male	97,000	84,000	77,800	6,200	1,300	11,700	11,200	500
Female	21,000	17,900	12,700	5,200	600	2,500	100	2,400
Physics/astronomy	84,900	66,900	59,800	7,100	2,200	15,800	12,800	3,000
Male	74,600	59,600	54,800	4,800	2,100	12,900	11,800	1,100
Female	10,300	7,300	5,100	2,300	100	2,900	1,100	1,800
Other physical sciences	44,600	37,000	32,100	5,000	800	6,800	3,500	3,200
Male	30,000	26,100	22,600	3,500	800	3,100	2,600	600
Female	14,600	11,000	9,500	1,400	S	3,600	1,000	2,600
Social/related sciences, total	2,932,900	2,415,500	2,075,100	340,400	57,600	459,800	173,400	286,400
Male	1,364,000	1,193,300	1,105,800	87,600	27,200	143,400	90,300	53,100
Female	1,568,900	1,222,200	969,300	252,900	30,400	316,300	83,100	233,300
Economics	407,800	340,300	310,600	29,700	6,600	60,900	38,300	22,600
Male	299,000	257,100	240,400	16,700	4,700	37,200	30,900	6,300
Female	108,800	83,200	70,200	13,000	1,900	23,700	7,500	16,300
Political/related sciences	578,200	482,900	428,200	54,700	11,300	84,100	29,300	54,800
Male	349,100	303,000	281,000	22,000	7,800	38,400	19,700	18,600
Female	229,100	179,800	147,200	32,700	3,500	45,700	9,600	36,100
Psychology	963,800	794,500	653,800	140,800	22,600	146,600	36,800	109,800
Male	322,500	286,900	262,000	24,900	8,100	27,500	13,800	13,800
Female	641,300	507,700	391,700	115,900	14,500	119,100	23,000	96,100
Sociology/anthropology	653,600	525,200	447,200	78,000	12,400	116,000	42,000	74,100
Male	236,700	210,800	196,000	14,800	5,100	20,800	11,900	8,900
Female	417,000	314,400	251,200	63,200	7,300	95,300	30,100	65,200
Other social sciences	329,400	272,600	235,300	37,300	4,700	52,100	27,000	25,100
Male	156,700	135,500	126,300	9,200	1,600	19,600	14,100	5,500
Female	172,700	137,200	109,000	28,100	3,100	32,500	12,800	19,700
Engineering, total	1,689,600	1,380,000	1,301,500	78,500	21,000	288,600	246,100	42,500
Male	1,528,300	1,248,700	1,186,300	62,400	18,500	261,100	243,200	17,900
Female	161,300	131,300	115,100	16,200	2,500	27,500	2,800	24,700

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Table B-2. U.S. scientists and engineers, by level and field of highest degree attained, sex, and employment status: 1999

Level and field of highest degree, and sex	S&Es, total	Employed			Unemploy- ed/seeking job	Not in labor force		
		Total	Full-time	Part-time		Total	Retired	Not seeking job
Bachelor's — continued								
Aerospace/related engineering	64,400	53,600	50,400	3,200	800	10,000	8,200	1,700
Male	59,800	49,800	46,900	2,900	800	9,200	8,200	1,000
Female	4,500	3,800	3,500	300	S	800	S	800
Chemical engineering	138,500	112,000	105,700	6,300	1,500	25,000	20,500	4,500
Male	110,200	88,100	84,200	3,900	1,100	21,000	19,800	1,200
Female	28,300	23,900	21,500	2,400	400	4,000	700	3,300
Civil/architectural engineering	294,300	247,000	232,800	14,200	1,300	46,000	37,700	8,300
Male	264,300	222,800	211,700	11,100	1,100	40,400	37,300	3,100
Female	30,000	24,100	21,100	3,000	200	5,600	400	5,200
Electrical/related engineering	496,100	407,400	388,000	19,400	8,600	80,100	68,400	11,700
Male	461,500	380,700	364,300	16,400	7,700	73,100	67,700	5,400
Female	34,500	26,700	23,700	3,000	900	7,000	700	6,300
Industrial engineering	100,500	79,500	73,100	6,400	900	20,100	16,900	3,200
Male	82,000	63,600	59,600	4,100	700	17,700	16,900	800
Female	18,500	15,900	13,500	2,400	200	2,400	S	2,400
Mechanical engineering	375,500	304,200	288,200	16,000	4,400	66,800	60,500	6,300
Male	353,900	286,100	272,800	13,400	4,200	63,600	60,200	3,400
Female	21,500	18,000	15,400	2,600	200	3,200	300	3,000
Other engineering	220,400	176,300	163,300	13,100	3,300	40,700	33,900	6,800
Male	196,400	157,500	146,900	10,500	2,800	36,200	33,100	3,000
Female	24,000	18,900	16,400	2,500	600	4,500	700	3,800
Non-S&E degrees, total	550,800	484,000	439,100	44,800	9,500	57,300	35,000	22,300
Male	367,500	325,900	309,800	16,100	6,700	34,900	28,500	6,400
Female	183,300	158,100	129,400	28,800	2,800	22,400	6,500	15,900
Master's								
All degree fields, total	3,535,900	2,982,000	2,630,100	351,900	53,900	500,000	328,600	171,300
Male	2,169,900	1,871,200	1,739,100	132,200	32,400	266,200	225,200	41,100
Female	1,366,000	1,110,800	891,000	219,700	21,500	233,700	103,400	130,300
S&E degree fields, total	1,775,600	1,491,200	1,317,700	173,500	26,200	258,100	169,700	88,500
Male	1,151,700	987,800	912,700	75,100	16,300	147,600	122,100	25,500
Female	623,800	503,400	405,000	98,400	9,900	110,500	47,500	63,000
Sciences, total	1,259,900	1,040,400	891,000	149,400	17,800	201,700	128,700	73,000
Male	689,500	582,000	524,700	57,400	9,000	98,500	82,000	16,500
Female	570,400	458,400	366,400	92,000	8,800	103,200	46,700	56,500
Computer/math sciences, total	295,600	262,600	233,600	28,900	3,800	29,200	21,000	8,200
Male	201,000	181,700	167,400	14,300	3,300	16,000	13,600	2,400
Female	94,600	80,900	66,300	14,600	500	13,200	7,300	5,800
Computer/information sciences	172,400	160,900	150,600	10,300	2,200	9,200	5,600	3,600
Male	125,500	118,300	113,700	4,700	1,800	5,400	3,900	1,600
Female	46,900	42,600	36,900	5,700	500	3,800	1,800	2,100

See explanatory information, if any, and SOURCE at end of table.

Table B-2. U.S. scientists and engineers, by level and field of highest degree attained, sex, and employment status: 1999

Level and field of highest degree, and sex	S&Es, total	Employed			Unemploy- ed/seeking job	Not in labor force		
		Total	Full-time	Part-time		Total	Retired	Not seeking job
Master's — continued								
Mathematical sciences	123,200	101,700	83,100	18,600	1,500	20,000	15,300	4,600
Male	75,500	63,400	53,700	9,700	1,500	10,600	9,800	800
Female	47,700	38,300	29,400	8,900	100	9,400	5,600	3,800
Life/related sciences, total	203,100	164,100	144,600	19,600	2,700	36,200	19,400	16,800
Male	112,400	92,400	85,800	6,700	600	19,400	14,300	5,100
Female	90,700	71,700	58,800	12,900	2,200	16,900	5,100	11,800
Agricultural/food sciences	35,000	30,100	25,000	5,100	600	4,300	2,600	1,800
Male	23,600	20,900	18,200	2,700	300	2,400	2,000	400
Female	11,400	9,100	6,800	2,300	300	1,900	500	1,400
Biological sciences	147,300	116,200	103,400	12,700	1,700	29,400	15,300	14,200
Male	75,800	60,300	56,900	3,400	300	15,200	10,800	4,400
Female	71,500	55,900	46,600	9,300	1,400	14,200	4,500	9,700
Environmental life sciences	20,800	17,900	16,200	1,800	400	2,500	1,600	900
Male	13,000	11,200	10,700	600	S	1,700	1,500	300
Female	7,800	6,700	5,500	1,200	400	700	100	600
Physical/related sciences, total	143,100	113,900	101,100	12,800	1,400	27,800	20,500	7,200
Male	107,100	85,400	77,300	8,100	900	20,800	17,900	2,900
Female	36,000	28,500	23,900	4,600	500	7,000	2,600	4,400
Chemistry, except biochemistry	48,200	37,400	32,100	5,300	600	10,200	7,200	3,000
Male	31,600	25,000	22,200	2,700	300	6,400	5,200	1,200
Female	16,600	12,400	9,900	2,600	300	3,800	2,000	1,800
Earth science, geology and oceanography	41,700	34,200	30,800	3,400	400	7,100	4,600	2,400
Male	31,300	26,000	24,300	1,700	300	5,000	4,300	700
Female	10,400	8,200	6,600	1,700	100	2,100	300	1,700
Physics/astronomy	39,500	32,500	29,300	3,200	100	6,800	5,400	1,400
Male	34,200	28,100	25,200	2,900	100	6,100	5,300	800
Female	5,200	4,500	4,200	300	S	700	100	600
Other physical sciences	13,700	9,800	8,900	900	300	3,600	3,300	400
Male	9,900	6,500	5,600	800	200	3,300	3,100	200
Female	3,800	3,400	3,300	100	100	300	200	100
Social/related sciences, total	618,100	499,800	411,600	88,100	9,900	108,500	67,800	40,700
Male	269,000	222,500	194,300	28,200	4,300	42,300	36,100	6,100
Female	349,100	277,300	217,400	59,900	5,600	66,200	31,700	34,500
Economics	53,400	43,700	38,300	5,400	700	9,000	6,600	2,400
Male	38,700	31,100	28,400	2,700	600	7,000	5,800	1,100
Female	14,600	12,600	9,900	2,700	100	2,000	800	1,200
Political/related sciences	86,500	67,400	57,900	9,600	1,600	17,400	11,700	5,600
Male	51,500	40,600	36,800	3,800	900	10,000	9,200	800
Female	35,000	26,800	21,000	5,800	800	7,400	2,500	4,900

See explanatory information, if any, and SOURCE at end of table.

Table B-2. U.S. scientists and engineers, by level and field of highest degree attained, sex, and employment status: 1999

Level and field of highest degree, and sex	S&Es, total	Employed			Unemploy- ed/seeking job	Not in labor force		
		Total	Full-time	Part-time		Total	Retired	Not seeking job
Master's — continued								
Psychology	339,500	276,100	223,800	52,300	5,700	57,700	34,100	23,500
Male	117,100	98,300	86,400	11,900	2,200	16,600	13,900	2,700
Female	222,400	177,800	137,400	40,400	3,500	41,000	20,200	20,800
Sociology/anthropology	54,800	44,400	35,500	8,800	600	9,900	6,300	3,600
Male	23,700	20,200	16,000	4,200	100	3,400	2,600	800
Female	31,100	24,200	19,500	4,700	500	6,500	3,700	2,800
Other social sciences	84,000	68,100	56,100	12,000	1,400	14,600	9,000	5,600
Male	38,100	32,300	26,600	5,700	500	5,300	4,500	700
Female	46,000	35,900	29,500	6,400	800	9,300	4,500	4,800
Engineering, total	515,700	450,800	426,700	24,100	8,400	56,500	41,000	15,500
Male	462,200	405,800	388,000	17,800	7,300	49,200	40,100	9,000
Female	53,500	45,000	38,700	6,400	1,100	7,300	800	6,500
Aerospace/related engineering	22,300	17,800	16,600	1,200	600	3,900	2,700	1,300
Male	21,500	17,100	16,000	1,100	600	3,900	2,700	1,200
Female	800	800	700	100	S	100	S	100
Chemical engineering	28,200	22,000	20,700	1,300	800	5,400	4,800	600
Male	24,600	19,100	18,000	1,000	800	4,800	4,400	300
Female	3,600	2,900	2,700	300	S	600	400	200
Civil/architectural engineering	81,700	73,300	69,500	3,900	900	7,500	5,000	2,400
Male	72,100	65,000	62,100	2,800	700	6,400	4,800	1,600
Female	9,600	8,400	7,300	1,100	200	1,000	200	800
Electrical/related engineering	169,900	151,300	144,500	6,800	2,100	16,500	11,700	4,700
Male	155,700	139,900	134,700	5,200	1,500	14,300	11,600	2,800
Female	14,200	11,500	9,900	1,600	600	2,100	200	2,000
Industrial engineering	26,000	23,500	21,700	1,800	200	2,300	1,600	700
Male	21,100	19,200	18,200	900	200	1,700	1,600	200
Female	4,800	4,300	3,500	800	S	500	S	500
Mechanical engineering	78,700	68,300	65,100	3,200	1,000	9,500	7,400	2,100
Male	73,600	64,100	61,500	2,600	900	8,600	7,300	1,400
Female	5,100	4,200	3,600	600	100	900	100	800
Other engineering	108,900	94,600	88,600	6,000	2,800	11,500	7,800	3,600
Male	93,600	81,600	77,400	4,100	2,600	9,400	7,800	1,600
Female	15,300	13,000	11,200	1,900	200	2,100	S	2,100
Non-S&E degrees, total	1,760,300	1,490,800	1,312,400	178,400	27,700	241,800	158,900	82,900
Male	1,018,100	883,400	826,400	57,100	16,100	118,600	103,000	15,600
Female	742,200	607,300	486,000	121,300	11,600	123,200	55,900	67,300
Doctorate								
All degree fields, total	839,000	736,700	672,400	64,300	9,100	93,300	75,500	17,700
Male	630,600	552,200	515,300	36,900	6,500	71,900	64,100	7,800
Female	208,400	184,500	157,100	27,400	2,600	21,400	11,500	9,900

See explanatory information, if any, and SOURCE at end of table.

Table B-2. U.S. scientists and engineers, by level and field of highest degree attained, sex, and employment status: 1999

Level and field of highest degree, and sex	S&Es, total	Employed			Unemploy- ed/seeking job	Not in labor force		
		Total	Full-time	Part-time		Total	Retired	Not seeking job
Doctorate — continued								
S&E degree fields, total	698,500	614,600	567,700	46,800	8,800	75,100	59,600	15,500
Male	530,800	466,400	441,300	25,100	6,200	58,100	51,500	6,600
Female	167,700	148,100	126,400	21,700	2,600	17,000	8,000	8,900
Sciences, total	580,400	509,000	466,700	42,300	7,000	64,500	50,300	14,200
Male	421,100	368,200	346,900	21,300	4,700	48,200	42,400	5,800
Female	159,300	140,800	119,700	21,000	2,200	16,300	7,900	8,400
Computer/math sciences, total	44,500	40,600	38,500	2,100	200	3,700	2,900	800
Male	37,900	34,500	33,100	1,400	200	3,200	2,700	500
Female	6,600	6,100	5,400	700	S	500	300	200
Computer/information sciences	12,400	12,100	11,700	300	S	200	S	200
Male	10,500	10,200	10,000	200	S	200	S	200
Female	1,900	1,800	1,700	100	S	S	S	S
Mathematical sciences	32,200	28,500	26,800	1,700	200	3,500	2,900	600
Male	27,400	24,300	23,100	1,200	100	3,000	2,600	400
Female	4,800	4,200	3,700	500	S	500	300	200
Life/related sciences, total	202,000	176,200	165,100	11,000	2,300	23,600	17,400	6,300
Male	140,400	122,300	116,900	5,400	1,400	16,700	14,000	2,800
Female	61,700	53,900	48,300	5,700	900	6,900	3,400	3,500
Agricultural/food sciences	21,000	18,100	17,100	1,000	300	2,600	2,300	300
Male	17,800	15,200	14,500	800	200	2,400	2,200	200
Female	3,100	2,800	2,600	200	S	200	100	100
Biological sciences	175,400	153,100	143,200	9,900	2,000	20,400	14,400	5,900
Male	117,600	102,700	98,200	4,400	1,100	13,800	11,200	2,600
Female	57,800	50,400	45,000	5,400	800	6,600	3,200	3,300
Environmental life sciences	5,700	5,000	4,800	200	S	600	600	S
Male	5,000	4,400	4,200	200	S	600	500	S
Female	800	700	700	S	S	100	S	S
Physical/related sciences, total	147,000	125,900	118,800	7,100	2,600	18,600	15,900	2,700
Male	127,700	109,400	103,600	5,800	2,200	16,100	14,900	1,200
Female	19,300	16,500	15,200	1,300	400	2,500	1,000	1,500
Chemistry, except biochemistry	76,500	63,600	60,300	3,300	1,400	11,600	9,900	1,700
Male	63,800	53,000	50,500	2,500	1,200	9,500	9,100	500
Female	12,800	10,600	9,800	700	200	2,000	800	1,200
Earth science, geology and oceanography	19,100	16,500	15,500	1,000	500	2,100	1,700	300
Male	16,800	14,500	13,800	700	400	1,800	1,700	200
Female	2,300	2,000	1,800	300	100	200	100	100
Physics/astronomy	49,500	43,800	41,000	2,800	700	5,000	4,300	700
Male	45,700	40,400	37,900	2,600	500	4,700	4,200	600
Female	3,800	3,400	3,200	200	100	200	100	100

See explanatory information, if any, and SOURCE at end of table.

Table B-2. U.S. scientists and engineers, by level and field of highest degree attained, sex, and employment status: 1999

Level and field of highest degree, and sex	S&Es, total	Employed			Unemploy- ed/seeking job	Not in labor force		
		Total	Full-time	Part-time		Total	Retired	Not seeking job
Doctorate — continued								
Other physical sciences	2,000	1,900	1,900	S	S	S	S	S
Male	1,500	1,500	1,500	S	S	S	S	S
Female	500	400	400	S	S	S	S	S
Social/related sciences, total	186,800	166,400	144,200	22,100	1,900	18,600	14,100	4,500
Male	115,100	102,000	93,300	8,700	1,000	12,100	10,900	1,300
Female	71,700	64,400	50,900	13,500	900	6,400	3,200	3,200
Economics	25,800	22,500	21,000	1,600	300	3,000	2,800	300
Male	21,600	18,800	17,600	1,200	200	2,600	2,600	S
Female	4,200	3,700	3,400	300	100	400	200	200
Political/related sciences	19,100	16,700	15,100	1,600	200	2,300	1,900	400
Male	15,100	13,100	12,000	1,100	200	1,900	1,600	300
Female	4,000	3,600	3,100	400	S	400	300	100
Psychology	98,000	88,800	73,800	15,000	1,000	8,200	5,500	2,700
Male	52,300	47,600	43,000	4,600	400	4,300	3,700	600
Female	45,600	41,100	30,800	10,300	600	3,900	1,800	2,100
Sociology/anthropology	26,500	23,100	20,600	2,500	300	3,100	2,500	600
Male	15,400	13,200	12,300	1,000	100	2,100	1,900	100
Female	11,000	9,800	8,300	1,500	100	1,000	600	500
Other social sciences	17,500	15,300	13,800	1,500	200	2,000	1,400	600
Male	10,600	9,300	8,500	700	100	1,300	1,000	200
Female	6,900	6,100	5,300	800	100	700	400	300
Engineering, total	118,100	105,600	101,100	4,500	1,900	10,600	9,300	1,300
Male	109,700	98,200	94,400	3,800	1,500	10,000	9,100	800
Female	8,400	7,300	6,700	600	400	700	200	500
Aerospace/related engineering	5,200	4,900	4,700	300	S	300	200	100
Male	5,000	4,700	4,500	200	S	300	200	100
Female	200	200	200	S	S	S	S	S
Chemical engineering	16,100	13,600	13,000	600	400	2,100	1,900	200
Male	14,800	12,600	12,100	500	300	1,900	1,900	100
Female	1,300	1,000	900	100	100	100	S	100
Civil/architectural engineering	10,700	9,900	9,200	700	200	600	500	100
Male	9,900	9,100	8,600	500	200	600	500	S
Female	800	800	600	200	S	100	S	100
Electrical/related engineering	30,900	28,300	27,400	900	400	2,200	1,900	300
Male	29,000	26,600	25,800	800	300	2,200	1,900	200
Female	1,900	1,700	1,600	100	100	S	S	S
Industrial engineering	3,500	3,300	3,000	300	S	200	200	S
Male	3,000	2,700	2,400	300	S	200	200	S
Female	500	500	500	S	S	S	S	S

See explanatory information, if any, and SOURCE at end of table.

Table B-2. U.S. scientists and engineers, by level and field of highest degree attained, sex, and employment status: 1999

Level and field of highest degree, and sex	S&Es, total	Employed			Unemploy- ed/seeking job	Not in labor force		
		Total	Full-time	Part-time		Total	Retired	Not seeking job
Doctorate — continued								
Mechanical engineering	15,100	13,500	13,200	400	200	1,400	1,300	200
Male	14,800	13,200	12,800	400	200	1,400	1,300	100
Female	400	300	300	S	S	S	S	S
Other engineering	36,500	32,100	30,700	1,300	600	3,800	3,300	500
Male	33,200	29,300	28,200	1,100	500	3,400	3,200	300
Female	3,300	2,800	2,600	200	100	400	100	200
Non-S&E degrees, total	140,600	122,100	104,600	17,500	200	18,200	16,000	2,200
Male	99,800	85,800	74,000	11,800	200	13,800	12,500	1,300
Female	40,700	36,400	30,600	5,700	S	4,400	3,400	900

1 Total includes professional degrees not broken out separately.

NOTES: The term "Scientists and Engineers" (S&Es) includes all persons who have ever received a bachelor's degree or higher in a science or engineering (S&E) field, plus persons holding a non-S&E bachelor's or higher degree who were employed in a S&E occupation during either the 1993, 1995, 1997, or 1999 SESTAT surveys.
Figures are rounded to nearest hundred. Details may not add to total because of rounding.

KEY: S = Suppressed for reasons of confidentiality and/or data reliability

SOURCE: National Science Foundation/Science Resources Statistics Division, 1999 SESTAT (Scientists and Engineers Statistical Data System)