

Table D-8. U.S. scientists and engineers, by highest degree attained, occupation, sex, and age: 1993

Highest degree, occupation, and sex	S&Es, total	Age range								
		<25	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60+
All degree levels¹										
All occupations, total²	11,578,200	331,000	1,178,800	1,606,800	1,804,900	1,871,900	1,563,300	1,002,300	694,800	1,524,400
Male	7,734,000	166,300	689,600	981,900	1,115,800	1,246,400	1,090,000	730,700	538,200	1,175,200
Female	3,844,200	164,700	489,200	624,900	689,100	625,600	473,300	271,600	156,600	349,200
S&E occupations, total	3,786,100	91,400	448,700	649,400	639,800	540,100	433,700	294,200	214,700	474,000
Male	2,910,500	58,500	313,500	463,600	468,200	409,100	339,500	241,800	187,600	428,700
Female	875,600	32,900	135,200	185,800	171,600	131,000	94,200	52,400	27,100	45,300
Scientists, total	2,140,900	60,800	256,900	365,500	380,800	342,900	263,300	172,400	107,100	191,300
Male	1,405,500	33,800	154,000	223,800	237,000	225,700	176,100	122,200	82,200	150,700
Female	735,400	27,000	102,900	141,700	143,800	117,200	87,200	50,200	24,900	40,600
Computer/math sci, total	1,065,900	20,100	133,500	220,700	208,900	177,900	134,200	80,000	43,700	47,000
Male	724,400	13,100	87,000	141,100	139,200	120,700	91,700	59,500	34,900	37,200
Female	341,500	7,000	46,600	79,600	69,700	57,200	42,500	20,500	8,700	9,700
Computer/information scientists	926,000	15,500	116,200	201,300	191,600	160,500	112,300	63,900	34,300	30,600
Male	637,000	10,900	75,900	129,700	129,100	112,800	79,600	47,100	26,900	25,100
Female	289,000	4,600	40,300	71,600	62,500	47,800	32,700	16,800	7,400	5,400
Mathematical scientists	55,200	1,000	8,400	8,300	8,100	5,900	8,900	5,200	3,400	5,900
Male	34,700	500	4,800	4,600	4,500	3,300	4,600	4,500	3,000	4,800
Female	20,400	500	3,600	3,700	3,600	2,600	4,300	700	300	1,100
Postsecondary teachers- computer math sci	84,700	3,600	8,900	11,000	9,200	11,500	13,000	11,000	6,000	10,500
Male	52,700	1,700	6,200	6,800	5,600	4,700	7,500	8,000	5,000	7,300
Female	32,000	1,900	2,700	4,200	3,600	6,800	5,500	3,000	1,000	3,200
Life/related scientists, total	379,000	14,900	46,400	56,100	67,400	59,500	42,100	31,200	19,600	41,900
Male	244,600	8,400	25,800	28,100	37,600	41,300	30,900	21,700	16,100	34,800
Female	134,400	6,500	20,600	28,000	29,800	18,200	11,200	9,500	3,500	7,200
Agricultural/food scientists	52,500	900	6,200	8,300	10,000	9,500	4,600	3,600	3,000	6,300
Male	40,300	800	4,300	4,800	6,200	8,900	4,200	2,900	2,500	5,900
Female	12,100	200	1,900	3,500	3,800	700	400	800	500	400

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

Table D-8. U.S. scientists and engineers, by highest degree attained, occupation, sex, and age: 1993

Highest degree, occupation, and sex	S&Es, total	Age range								
		<25	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60+
All degree levels¹ — continued										
Biological scientists	209,400	10,200	31,700	38,000	39,900	30,300	20,900	13,700	7,200	17,600
Male	121,800	5,800	16,400	17,900	21,000	18,500	14,200	9,500	5,500	13,300
Female	87,600	4,400	15,300	20,100	19,000	11,800	6,700	4,300	1,700	4,400
Environmental life scientists	28,200	400	2,400	3,600	4,700	6,300	3,200	2,500	2,000	3,100
Male	23,400	300	1,900	1,900	3,900	5,000	3,200	2,000	2,000	3,100
Female	4,800	100	500	1,700	700	1,300	S	400	S	S
Postsecondary teachers- life/related sciences	88,900	3,400	6,100	6,100	12,900	13,300	13,400	11,400	7,400	14,900
Male	59,100	1,600	3,200	3,500	6,500	8,900	9,300	7,400	6,200	12,500
Female	29,900	1,800	2,900	2,600	6,300	4,400	4,000	4,100	1,300	2,400
Physical/related scientists, total ...	339,500	11,800	39,900	52,700	53,800	43,500	32,500	27,000	20,600	57,600
Male	261,600	7,400	26,700	38,200	38,100	34,000	26,600	22,500	18,200	49,800
Female	77,900	4,400	13,200	14,400	15,700	9,400	5,900	4,600	2,400	7,800
Chemistry, except biochemistry	142,600	4,700	17,700	21,800	22,300	17,600	13,200	11,900	9,100	24,400
Male	100,000	2,700	10,500	14,200	14,800	11,600	10,500	8,800	7,400	19,300
Female	42,600	1,900	7,200	7,600	7,400	6,000	2,700	3,000	1,700	5,100
Earth scientists/geologists/ oceanographers	83,300	1,500	7,900	15,100	16,700	12,500	7,400	4,700	3,500	13,900
Male	70,100	1,100	6,200	12,100	12,800	10,600	6,500	4,100	3,400	13,300
Female	13,200	400	1,700	3,100	3,900	1,900	900	600	200	600
Physicists/astronomers	40,900	1,100	6,100	6,000	4,900	5,200	4,300	3,400	2,900	7,000
Male	37,000	1,000	5,200	5,100	4,400	4,900	4,100	3,100	2,900	6,400
Female	3,900	200	900	900	500	300	200	300	100	600
Other physical/related scientists	20,500	1,300	3,600	3,200	3,500	2,700	1,800	1,100	800	2,500
Male	14,900	500	2,100	2,400	1,900	2,300	1,800	1,000	700	2,200
Female	5,600	800	1,500	900	1,600	400	100	100	200	200

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

Table D-8. U.S. scientists and engineers, by highest degree attained, occupation, sex, and age: 1993

Highest degree, occupation, and sex	S&Es, total	Age range								
		<25	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60+
All degree levels¹ — continued										
Postsecondary teachers- physical/related sci	52,200	3,300	4,700	6,500	6,400	5,500	5,800	6,000	4,200	9,900
Male	39,600	2,100	2,700	4,500	4,100	4,600	3,800	5,400	3,800	8,600
Female	12,600	1,200	2,000	2,000	2,300	900	2,000	600	400	1,200
Social/related scientists, total	356,600	14,000	37,100	36,100	50,700	62,000	54,500	34,100	23,300	44,800
Male	174,900	4,900	14,600	16,400	22,200	29,700	26,900	18,500	13,000	28,900
Female	181,600	9,100	22,500	19,700	28,500	32,400	27,600	15,600	10,300	15,900
Economists	37,000	2,000	5,900	5,500	5,800	4,900	4,700	2,100	1,500	4,600
Male	26,200	900	3,700	3,800	3,900	3,400	3,600	1,700	1,400	3,700
Female	10,900	1,000	2,200	1,700	1,900	1,500	1,100	400	100	900
Political/related scientists	10,000	1,500	2,300	1,700	700	600	1,300	500	600	900
Male	6,300	600	1,100	1,300	500	400	1,100	200	200	900
Female	3,700	800	1,200	400	100	100	200	300	400	S
Psychologists	167,500	6,400	13,800	14,500	24,000	33,500	28,400	17,100	11,400	18,500
Male	62,000	2,000	3,500	3,600	7,900	14,900	10,700	7,600	3,700	8,200
Female	105,400	4,400	10,200	10,900	16,100	18,600	17,700	9,500	7,600	10,300
Sociologists/anthropologists	19,100	500	2,300	2,400	3,200	4,400	2,000	1,300	400	2,500
Male	7,800	200	800	1,100	1,000	1,200	1,200	700	200	1,500
Female	11,300	400	1,500	1,300	2,200	3,300	900	600	200	1,000
Other social/related scientists	25,300	1,000	4,100	2,400	3,500	4,200	4,900	1,800	1,200	2,400
Male	11,500	200	900	900	1,600	2,200	2,300	800	800	1,900
Female	13,900	800	3,100	1,500	1,800	2,000	2,600	1,100	400	600
Postsecondary teachers- social/related sci	97,700	2,700	8,800	9,700	13,600	14,500	13,200	11,300	8,200	15,800
Male	61,200	1,000	4,500	5,700	7,200	7,600	8,100	7,500	6,700	12,700
Female	36,500	1,600	4,300	4,000	6,300	6,900	5,100	3,800	1,500	3,100
Engineers, total	1,645,100	30,600	191,800	283,900	259,000	197,200	170,400	121,800	107,600	282,700
Male	1,505,000	24,700	159,500	239,800	231,200	183,400	163,500	119,600	105,400	278,000
Female	140,200	5,900	32,300	44,100	27,800	13,800	7,000	2,200	2,200	4,700

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

Table D-8. U.S. scientists and engineers, by highest degree attained, occupation, sex, and age: 1993

Highest degree, occupation, and sex	S&Es, total	Age range								
		<25	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60+
All degree levels¹ — continued										
Aerospace/related engineers	109,000	1,400	8,500	18,000	15,900	10,100	8,800	8,200	9,900	28,200
Male	101,400	1,200	7,100	15,900	14,300	9,100	8,400	8,000	9,700	27,600
Female	7,600	200	1,300	2,000	1,600	1,000	400	200	200	600
Chemical engineers	96,300	2,500	12,700	16,300	12,700	11,800	10,100	5,300	5,500	19,400
Male	81,500	1,500	8,300	12,200	10,700	10,700	9,800	5,200	5,300	17,800
Female	14,800	1,000	4,500	4,100	2,000	1,100	300	100	200	1,600
Civil/architectural engineers	223,500	3,500	24,300	34,600	37,200	28,900	23,400	15,600	15,000	41,000
Male	203,400	2,800	20,100	29,000	32,500	26,900	21,700	15,100	14,500	40,900
Female	20,100	700	4,200	5,600	4,700	2,100	1,700	400	500	200
Electrical/related engineers	422,600	7,200	52,700	76,300	69,800	48,400	43,100	33,600	27,100	64,500
Male	400,500	6,100	46,900	69,800	65,200	46,600	41,800	33,400	26,600	64,000
Female	22,100	1,000	5,800	6,500	4,600	1,800	1,300	100	500	500
Industrial engineers	83,700	1,800	14,400	14,200	12,400	8,100	8,200	8,400	4,500	11,700
Male	74,400	1,300	11,200	11,100	10,900	7,600	7,900	8,300	4,400	11,700
Female	9,300	600	3,200	3,000	1,500	600	300	100	100	S
Mechanical engineers	302,900	6,800	38,700	54,200	46,000	34,200	26,500	20,300	20,100	56,100
Male	286,800	6,000	34,800	49,200	41,700	33,300	25,900	20,100	19,900	55,900
Female	16,100	900	3,900	5,000	4,300	900	600	100	200	300
Other engineers	368,400	5,900	37,100	65,900	60,500	52,200	45,000	26,800	20,500	54,400
Male	321,500	4,600	28,500	48,900	51,900	46,300	43,000	25,700	19,900	52,800
Female	46,800	1,400	8,600	17,100	8,600	5,900	2,000	1,200	600	1,500
Postsecondary teachers-engineers	38,800	1,500	3,300	4,400	4,400	3,500	5,400	3,800	5,100	7,300
Male	35,500	1,300	2,600	3,700	3,900	2,900	5,000	3,700	5,100	7,300
Female	3,300	200	800	700	500	600	400	S	S	100
Non-S&E occupations, total	7,792,100	239,600	730,100	957,400	1,165,100	1,331,800	1,129,500	708,100	480,100	1,050,400
Male	4,823,500	107,700	376,100	518,300	647,600	837,300	750,400	488,900	350,600	746,500
Female	2,968,600	131,800	354,000	439,100	517,500	494,500	379,100	219,200	129,500	303,900

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Table D-8. U.S. scientists and engineers, by highest degree attained, occupation, sex, and age: 1993

Highest degree, occupation, and sex	S&Es, total	Age range								
		<25	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60+
All degree levels¹ — continued										
Managers/administrators	2,296,500	27,200	138,500	236,200	320,400	405,100	397,400	266,500	174,500	330,800
Male	1,716,300	15,100	82,900	150,900	207,700	293,300	305,600	221,700	148,700	290,300
Female	580,200	12,100	55,600	85,200	112,800	111,800	91,700	44,800	25,700	40,400
Health and related	857,600	13,800	73,000	125,100	175,900	168,900	110,600	62,600	40,800	86,800
Male	486,300	5,400	30,000	63,600	94,200	102,400	68,900	36,400	27,500	58,000
Female	371,300	8,500	43,000	61,400	81,700	66,600	41,800	26,300	13,200	28,700
Teachers, except S&E postsecondary	843,000	23,800	61,100	73,100	99,400	135,900	138,900	105,300	59,400	146,200
Male	349,300	8,800	21,400	26,900	33,400	50,200	63,000	46,700	29,100	69,800
Female	493,700	15,000	39,700	46,100	66,000	85,700	75,900	58,600	30,200	76,500
Sales/marketing	892,800	38,000	101,300	112,100	129,600	144,900	111,200	67,200	58,500	130,000
Male	614,100	17,300	57,300	67,600	81,000	105,000	85,300	49,900	48,500	102,200
Female	278,700	20,600	44,000	44,600	48,700	39,900	25,800	17,300	10,000	27,800
Other non-S&E occupations ³	2,902,300	136,800	356,300	411,000	439,700	477,000	371,500	206,400	147,000	356,700
Male	1,657,600	61,100	184,600	209,300	231,400	286,500	227,600	134,200	96,700	226,200
Female	1,244,700	75,700	171,700	201,700	208,300	190,500	143,900	72,200	50,300	130,400
Bachelor's										
All occupations, total²	6,948,800	325,400	960,600	1,053,900	1,071,900	1,025,100	790,200	471,900	346,900	902,900
Male	4,546,200	163,200	559,600	637,900	658,200	679,800	544,100	337,700	270,500	695,000
Female	2,402,600	162,100	400,900	415,900	413,800	345,300	246,100	134,200	76,400	207,900
S&E occupations, total	2,293,600	89,100	352,200	432,600	383,900	288,800	216,500	135,900	109,800	284,800
Male	1,794,800	56,800	247,900	311,400	289,900	229,300	178,700	116,300	99,900	264,700
Female	498,800	32,300	104,300	121,200	94,000	59,600	37,800	19,600	9,900	20,200
Scientists, total	1,122,700	59,400	197,800	228,800	202,100	161,100	106,700	60,500	38,300	67,900
Male	724,900	33,000	119,900	138,100	126,900	109,900	73,800	41,800	30,000	51,500
Female	397,800	26,400	77,800	90,800	75,200	51,300	32,900	18,700	8,300	16,400

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Highest degree, occupation, and sex	S&Es, total	Age range								
		<25	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60+
Bachelor's — continued										
Computer/math sci, total	720,300	19,600	110,300	166,800	144,500	114,100	77,900	42,100	23,800	21,100
Male	477,600	12,800	71,400	103,800	94,600	77,500	53,300	29,400	18,800	15,900
Female	242,700	6,800	38,900	63,000	49,900	36,600	24,600	12,600	5,100	5,300
Computer/information scientists	674,300	15,100	100,000	159,100	139,200	109,800	73,300	38,800	21,600	17,400
Male	451,300	10,700	64,500	99,500	91,700	75,800	51,200	27,500	17,000	13,500
Female	222,900	4,400	35,500	59,600	47,400	34,000	22,100	11,300	4,700	3,900
Mathematical scientists	24,900	900	5,000	4,600	3,000	2,500	2,900	1,600	1,600	2,700
Male	14,400	400	3,000	2,300	1,700	1,300	1,200	1,400	1,300	1,800
Female	10,400	500	2,000	2,300	1,400	1,200	1,700	300	300	900
Postsecondary teachers- computer math sci	21,200	3,500	5,300	3,100	2,300	1,800	1,700	1,600	600	1,100
Male	11,800	1,600	3,900	2,100	1,200	400	1,000	600	500	600
Female	9,300	1,900	1,400	1,100	1,100	1,400	700	1,000	100	500
Life/related scientists, total	159,900	14,800	35,900	24,100	26,700	21,000	11,000	8,400	5,200	12,900
Male	97,400	8,300	20,300	10,700	13,600	15,700	8,700	5,800	4,200	10,100
Female	62,400	6,500	15,600	13,400	13,100	5,300	2,400	2,600	900	2,800
Agricultural/food scientists	31,200	800	5,200	5,800	5,600	5,500	2,200	1,300	1,800	2,900
Male	23,300	700	3,700	3,000	3,800	5,200	2,000	1,000	1,400	2,500
Female	7,900	200	1,600	2,800	1,800	300	200	300	400	400
Biological scientists	90,800	10,200	25,100	15,500	14,000	8,200	6,100	4,000	1,600	6,100
Male	47,100	5,700	13,100	5,800	6,200	4,500	4,200	2,500	1,100	3,900
Female	43,700	4,400	11,900	9,600	7,800	3,700	2,000	1,500	500	2,200
Environmental life scientists	20,200	400	1,800	1,900	3,900	4,800	1,700	1,800	1,800	2,300
Male	17,400	300	1,300	1,200	3,300	4,200	1,700	1,300	1,800	2,300
Female	2,800	100	400	700	600	600	S	400	S	S
Postsecondary teachers- life/related sciences	17,700	3,400	3,800	900	3,200	2,400	1,000	1,300	S	1,600
Male	9,700	1,600	2,100	700	400	1,800	800	900	S	1,400
Female	8,000	1,800	1,600	200	2,900	600	200	400	S	200

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Table D-8. U.S. scientists and engineers, by highest degree attained, occupation, sex, and age: 1993

Highest degree, occupation, and sex	S&Es, total	Age range								
		<25	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60+
Bachelor's — continued										
Physical/related scientists, total ...	163,200	11,500	29,500	27,100	23,400	17,400	10,800	7,700	7,600	28,200
Male	118,000	7,200	19,200	18,700	16,400	12,900	8,200	5,900	6,600	22,900
Female	45,200	4,300	10,200	8,400	7,000	4,500	2,600	1,800	1,100	5,300
Chemistry, except biochemistry	85,000	4,500	15,000	13,900	11,600	9,400	6,200	5,100	4,700	14,500
Male	55,800	2,600	9,000	8,500	7,100	6,000	4,700	3,900	3,700	10,200
Female	29,200	1,900	5,900	5,400	4,500	3,500	1,500	1,200	1,000	4,300
Earth scientists/geologists/ oceanographers	43,200	1,500	5,500	7,400	9,200	4,900	2,300	1,700	1,900	8,700
Male	36,800	1,100	4,300	6,000	8,100	4,200	1,900	1,200	1,800	8,100
Female	6,400	400	1,200	1,500	1,200	700	400	500	100	600
Physicists/astronomers	11,000	1,000	2,900	1,600	600	800	900	400	1,000	1,900
Male	10,100	900	2,500	1,400	600	800	800	400	1,000	1,800
Female	900	100	400	200	S	S	100	S	S	100
Other physical/related scientists	11,200	1,300	2,500	1,900	900	1,400	900	500	100	1,800
Male	8,100	500	1,400	1,500	500	1,400	800	400	100	1,600
Female	3,100	800	1,100	500	500	100	100	100	S	100
Postsecondary teachers- physical/related sci	12,900	3,200	3,500	2,300	1,000	800	600	100	S	1,300
Male	7,300	2,100	1,900	1,400	200	500	100	S	S	1,200
Female	5,600	1,100	1,600	900	800	300	500	100	S	200
Social/related scientists, total	79,300	13,600	22,100	10,800	7,500	8,600	7,000	2,400	1,600	5,700
Male	31,900	4,700	9,000	4,800	2,300	3,700	3,700	700	400	2,600
Female	47,400	8,900	13,100	6,000	5,200	4,900	3,300	1,700	1,200	3,100
Economists	13,400	2,000	4,100	1,600	600	900	1,500	600	100	2,100
Male	8,200	900	2,400	1,200	300	400	1,100	400	100	1,200
Female	5,200	1,000	1,600	400	300	500	400	200	S	800

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

Table D-8. U.S. scientists and engineers, by highest degree attained, occupation, sex, and age: 1993

Highest degree, occupation, and sex	S&Es, total	Age range								
		<25	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60+
Bachelor's — continued										
Political/related scientists	5,900	1,400	1,600	1,100	200	400	500	100	400	200
Male	3,300	600	800	600	100	400	400	100	S	200
Female	2,600	800	800	400	100	S	100	S	400	S
Psychologists	30,000	6,100	9,000	3,900	2,500	3,600	1,800	900	800	1,500
Male	7,900	1,800	2,200	900	400	1,800	300	200	100	200
Female	22,100	4,300	6,800	3,100	2,100	1,800	1,400	700	700	1,300
Sociologists/anthropologists	7,600	500	1,700	1,400	1,300	1,500	600	100	100	600
Male	2,200	200	600	700	100	100	200	S	100	300
Female	5,500	300	1,100	700	1,100	1,400	400	100	100	300
Other social/related scientists	9,300	1,000	2,100	1,200	1,200	1,000	1,600	400	S	800
Male	4,300	200	800	400	800	500	1,000	S	S	600
Female	4,900	800	1,300	900	400	600	600	400	S	100
Postsecondary teachers- social/related sci	13,100	2,600	3,800	1,600	1,800	1,100	1,100	400	100	700
Male	6,000	1,000	2,100	1,000	600	500	600	S	100	100
Female	7,100	1,600	1,600	600	1,200	600	500	400	S	600
Engineers, total	1,170,900	29,700	154,400	203,700	181,800	127,700	109,800	75,400	71,500	216,900
Male	1,069,900	23,800	128,000	173,300	162,900	119,400	104,900	74,500	69,900	213,200
Female	101,000	5,800	26,400	30,500	18,800	8,300	4,900	900	1,600	3,700
Aerospace/related engineers	73,900	1,300	6,400	12,200	10,500	5,600	4,600	4,200	7,100	21,800
Male	68,300	1,000	5,200	11,000	9,400	4,800	4,600	4,100	7,000	21,300
Female	5,500	200	1,300	1,300	1,100	800	100	100	100	600
Chemical engineers	64,300	2,500	10,900	9,300	7,500	7,300	6,200	3,300	3,500	13,800
Male	54,300	1,500	7,000	7,400	6,300	6,800	6,000	3,300	3,400	12,500
Female	10,000	1,000	3,900	1,800	1,200	500	200	S	100	1,300

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

Table D-8. U.S. scientists and engineers, by highest degree attained, occupation, sex, and age: 1993

Highest degree, occupation, and sex	S&Es, total	Age range								
		<25	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60+
Bachelor's — continued										
Civil/architectural engineers	165,700	3,300	21,100	26,100	26,100	20,400	16,500	8,900	10,700	32,500
Male	149,800	2,700	17,500	21,500	22,600	19,100	15,000	8,700	10,300	32,400
Female	15,900	600	3,600	4,600	3,400	1,400	1,500	300	300	200
Electrical/related engineers	298,900	6,800	39,800	54,600	48,600	31,800	27,200	21,400	18,700	50,100
Male	283,400	5,800	35,400	49,800	45,500	30,800	26,500	21,400	18,500	49,600
Female	15,500	1,000	4,400	4,700	3,100	900	700	S	200	500
Industrial engineers	65,300	1,800	12,100	10,700	9,600	5,200	6,400	6,300	3,900	9,400
Male	57,800	1,200	9,500	8,500	8,300	4,600	6,100	6,300	3,900	9,400
Female	7,500	600	2,600	2,200	1,300	600	300	S	S	S
Mechanical engineers	234,200	6,600	32,300	42,400	35,400	24,800	17,500	14,700	14,100	46,400
Male	222,100	5,800	29,000	39,100	32,400	24,200	17,000	14,600	13,900	46,100
Female	12,100	800	3,300	3,300	2,900	700	500	100	200	300
Other engineers	260,700	5,900	30,300	48,000	43,500	32,200	30,100	16,200	12,500	42,000
Male	227,400	4,500	23,200	35,700	37,700	29,000	28,600	15,700	11,900	41,100
Female	33,300	1,400	7,000	12,300	5,800	3,200	1,500	500	600	900
Postsecondary teachers-engineers	8,000	1,400	1,600	400	600	400	1,200	500	1,000	800
Male	6,800	1,200	1,100	300	600	300	1,100	500	1,000	700
Female	1,200	200	500	200	S	100	200	S	S	100
Non-S&E occupations, total	4,655,200	236,300	608,400	621,300	688,000	736,300	573,700	336,000	237,100	618,000
Male	2,751,400	106,400	311,700	326,600	368,300	450,500	365,400	221,400	170,700	430,300
Female	1,903,800	129,900	296,700	294,700	319,700	285,800	208,300	114,600	66,500	187,700
Managers/administrators	1,340,300	26,900	117,700	160,300	191,700	222,100	201,200	121,100	85,600	213,800
Male	991,300	14,900	71,500	102,700	129,200	160,200	152,600	98,900	73,200	188,100
Female	349,000	12,000	46,300	57,600	62,400	61,900	48,600	22,200	12,400	25,700
Health and related	293,800	13,500	43,800	38,300	59,000	52,400	36,200	18,200	9,800	22,500
Male	91,200	5,200	13,600	10,100	17,900	18,300	13,700	4,600	2,600	5,200
Female	202,600	8,300	30,300	28,200	41,100	34,100	22,500	13,600	7,200	17,300

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

Table D-8. U.S. scientists and engineers, by highest degree attained, occupation, sex, and age: 1993

Highest degree, occupation, and sex	S&Es, total	Age range								
		<25	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60+
Bachelor's — continued										
Teachers, except S&E postsecondary	392,300	22,700	50,700	42,900	52,600	57,100	54,600	38,200	20,500	53,000
Male	135,700	8,400	18,600	15,200	15,000	16,800	20,400	14,000	9,900	17,400
Female	256,600	14,300	32,100	27,800	37,600	40,200	34,200	24,200	10,600	35,600
Sales/marketing	717,800	37,800	93,800	92,100	99,800	114,200	82,100	48,700	42,400	107,000
Male	485,100	17,300	53,400	54,500	61,000	83,300	62,300	35,300	33,700	84,200
Female	232,700	20,500	40,400	37,500	38,700	31,000	19,800	13,400	8,700	22,800
Other non-S&E occupations ³	1,911,000	135,400	302,300	287,600	285,000	290,500	199,700	109,900	78,800	221,800
Male	1,048,100	60,500	154,600	144,000	145,200	171,900	116,500	68,600	51,300	135,400
Female	862,900	74,900	147,700	143,600	139,800	118,600	83,100	41,300	27,500	86,400
Master's										
All occupations, total ²	3,002,400	5,400	164,400	355,000	461,900	537,200	518,500	347,100	222,100	390,800
Male	1,927,400	2,900	95,000	213,500	265,500	332,200	342,800	239,900	160,300	275,100
Female	1,075,000	2,500	69,400	141,500	196,400	205,000	175,700	107,100	61,700	115,700
S&E occupations, total	1,013,600	2,300	88,700	166,300	179,000	171,400	143,300	93,700	61,000	107,900
Male	741,300	1,700	60,200	116,500	121,900	121,800	105,300	72,300	50,000	91,800
Female	272,300	600	28,500	49,800	57,200	49,700	38,000	21,400	11,000	16,200
Scientists, total	615,600	1,300	53,200	95,500	114,000	112,100	93,300	57,200	32,500	56,500
Male	378,200	800	30,400	58,100	65,000	67,000	56,900	36,900	22,100	41,200
Female	237,400	500	22,800	37,400	49,000	45,100	36,400	20,300	10,500	15,300
Computer/math sci, total	290,100	500	22,000	47,300	56,800	54,100	47,400	28,300	14,800	18,800
Male	201,200	300	14,800	31,800	38,100	36,000	31,200	21,700	11,800	15,500
Female	88,900	200	7,200	15,500	18,700	18,000	16,200	6,700	3,000	3,300
Computer/information scientists	230,300	400	15,800	39,000	49,300	46,700	35,100	22,100	10,600	11,400
Male	167,200	200	11,100	27,200	34,500	33,800	25,300	16,900	8,300	10,000
Female	63,100	200	4,700	11,700	14,700	13,000	9,800	5,200	2,300	1,400

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

Table D-8. U.S. scientists and engineers, by highest degree attained, occupation, sex, and age: 1993

Highest degree, occupation, and sex	S&Es, total	Age range								
		<25	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60+
Master's — continued										
Mathematical scientists	22,000	S	3,000	3,000	4,300	1,900	4,400	1,800	1,300	2,200
Male	13,600	S	1,600	1,800	2,300	800	2,200	1,600	1,200	2,000
Female	8,400	S	1,400	1,200	2,000	1,200	2,200	300	100	200
Postsecondary teachers- computer math sci	37,700	100	3,200	5,300	3,300	5,400	7,900	4,400	3,000	5,300
Male	20,300	100	2,100	2,700	1,300	1,500	3,700	3,200	2,300	3,600
Female	17,400	S	1,100	2,600	2,000	3,900	4,200	1,200	700	1,700
Life/related scientists, total	85,100	100	8,200	16,600	14,900	14,000	12,400	7,900	3,300	7,500
Male	47,000	100	4,100	8,200	6,700	8,200	8,100	4,100	2,100	5,400
Female	38,100	S	4,200	8,500	8,200	5,800	4,300	3,700	1,200	2,100
Agricultural/food scientists	11,700	100	900	1,500	2,800	2,300	1,300	1,100	500	1,000
Male	8,800	100	600	1,100	1,200	2,200	1,300	700	500	1,000
Female	2,900	S	300	400	1,600	100	100	400	100	S
Biological scientists	44,400	S	4,900	10,400	8,800	7,500	5,400	3,300	900	3,100
Male	23,900	S	2,400	4,800	4,100	4,500	3,300	2,000	500	2,300
Female	20,500	S	2,500	5,600	4,700	3,100	2,100	1,300	400	800
Environmental life scientists	6,800	S	600	1,600	600	1,400	1,400	500	100	600
Male	5,100	S	600	600	500	800	1,400	500	100	600
Female	1,700	S	S	1,000	100	700	S	S	S	S
Postsecondary teachers- life/related sciences	22,100	S	1,800	3,100	2,700	2,800	4,300	2,900	1,800	2,800
Male	9,300	S	500	1,600	900	800	2,100	900	1,000	1,600
Female	12,800	S	1,200	1,600	1,800	1,900	2,200	2,000	800	1,300
Physical/related scientists, total ...	87,400	300	9,100	14,400	16,200	13,500	11,000	7,300	3,700	11,900
Male	65,700	200	6,500	10,600	9,700	10,000	8,900	5,700	3,300	10,800
Female	21,600	100	2,600	3,800	6,500	3,400	2,200	1,500	400	1,000

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

Table D-8. U.S. scientists and engineers, by highest degree attained, occupation, sex, and age: 1993

Highest degree, occupation, and sex	S&Es, total	Age range								
		<25	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60+
Master's — continued										
Chemistry, except biochemistry	26,700	100	2,000	3,300	5,000	3,800	3,700	3,200	1,400	4,200
Male	18,000	100	900	2,200	3,000	1,900	3,000	2,000	1,100	3,800
Female	8,600	S	1,100	1,200	2,000	1,900	600	1,200	300	400
Earth scientists/geologists/ oceanographers	28,800	S	2,200	6,400	6,100	6,000	3,100	1,400	600	3,000
Male	23,000	S	1,800	4,900	3,700	4,900	2,800	1,400	500	2,900
Female	5,800	S	400	1,400	2,400	1,100	300	S	100	100
Physicists/astronomers	13,000	100	2,900	1,800	1,100	1,600	1,400	800	700	2,600
Male	11,300	100	2,400	1,500	800	1,600	1,400	700	700	2,200
Female	1,700	S	500	400	300	S	100	100	S	400
Other physical/related scientists	6,900	S	1,000	1,000	2,300	900	800	300	500	200
Male	4,800	S	600	600	1,200	700	800	300	500	200
Female	2,100	S	400	400	1,100	200	S	S	S	S
Postsecondary teachers- physical/related sci	12,000	100	1,000	2,000	1,800	1,200	2,000	1,600	500	1,900
Male	8,700	S	700	1,500	1,000	1,000	800	1,400	500	1,800
Female	3,400	100	300	500	800	200	1,100	200	100	200
Social/related scientists, total	153,100	400	13,900	17,100	26,000	30,500	22,500	13,700	10,600	18,200
Male	64,300	200	5,100	7,500	10,400	12,600	8,800	5,400	4,800	9,400
Female	88,800	200	8,800	9,600	15,600	17,900	13,700	8,400	5,800	8,900
Economists	15,900	S	1,700	3,200	3,600	2,800	1,700	500	900	1,300
Male	11,700	S	1,200	2,100	2,500	2,100	1,300	500	900	1,300
Female	4,200	S	600	1,100	1,100	700	400	100	100	S
Political/related scientists	2,400	S	800	600	200	100	500	S	100	100
Male	1,800	S	300	600	200	S	500	S	100	100
Female	600	S	500	S	S	100	S	S	S	S

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

Table D-8. U.S. scientists and engineers, by highest degree attained, occupation, sex, and age: 1993

Highest degree, occupation, and sex	S&Es, total	Age range								
		<25	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60+
Master's — continued										
Psychologists	85,600	300	4,300	7,000	14,300	18,400	15,000	9,000	7,000	10,200
Male	26,600	200	1,100	1,400	4,300	6,900	4,700	3,100	2,100	2,900
Female	59,000	200	3,200	5,700	10,000	11,600	10,300	5,900	4,800	7,300
Sociologists/anthropologists	7,500	S	500	900	1,600	2,200	800	700	S	800
Male	3,300	S	200	400	800	700	600	300	S	300
Female	4,200	S	400	500	800	1,500	200	400	S	500
Other social/related scientists	11,700	S	2,000	900	1,900	2,000	2,000	1,100	600	1,100
Male	4,600	S	100	400	600	1,300	600	500	400	700
Female	7,100	S	1,900	500	1,300	800	1,400	600	200	400
Postsecondary teachers- social/related sci	30,000	100	4,600	4,400	4,300	4,900	2,500	2,400	2,000	4,700
Male	16,300	S	2,300	2,700	2,000	1,700	1,200	1,000	1,400	4,100
Female	13,700	S	2,300	1,800	2,300	3,200	1,300	1,400	700	700
Engineers, total	398,000	1,000	35,500	70,800	65,000	59,400	50,000	36,500	28,400	51,400
Male	363,100	900	29,800	58,500	56,900	54,800	48,300	35,400	27,900	50,600
Female	34,900	100	5,700	12,400	8,100	4,600	1,600	1,100	500	800
Aerospace/related engineers	31,100	100	2,000	5,400	4,800	3,700	3,300	3,600	2,300	6,000
Male	29,100	100	1,900	4,600	4,300	3,600	2,900	3,500	2,200	5,900
Female	2,000	S	100	800	500	100	400	100	S	100
Chemical engineers	24,800	S	1,700	5,800	4,000	3,700	3,000	1,200	1,300	4,100
Male	20,500	S	1,100	3,700	3,200	3,300	2,900	1,100	1,300	3,800
Female	4,400	S	600	2,100	800	500	100	100	S	300
Civil/architectural engineers	53,300	200	3,200	7,900	10,300	8,000	6,300	5,900	3,900	7,700
Male	49,300	100	2,600	6,900	9,000	7,300	6,100	5,800	3,800	7,700
Female	4,000	S	600	1,000	1,300	700	200	100	200	S
Electrical/related engineers	110,200	300	12,500	20,000	19,500	14,900	13,600	10,200	7,500	11,800
Male	104,100	300	11,100	18,400	18,000	14,100	13,100	10,100	7,200	11,800
Female	6,100	S	1,400	1,600	1,400	800	500	100	300	S

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

Table D-8. U.S. scientists and engineers, by highest degree attained, occupation, sex, and age: 1993

Highest degree, occupation, and sex	S&Es, total	Age range								
		<25	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60+
Master's — continued										
Industrial engineers	17,700	S	2,300	3,400	2,700	2,900	1,800	1,900	600	2,200
Male	15,900	S	1,700	2,500	2,500	2,900	1,800	1,900	500	2,200
Female	1,800	S	700	800	100	S	S	100	100	S
Mechanical engineers	60,900	200	5,800	10,900	9,000	8,300	8,300	4,600	5,100	8,700
Male	57,100	200	5,200	9,200	7,700	8,200	8,300	4,600	5,100	8,700
Female	3,800	S	600	1,700	1,300	100	100	100	S	S
Other engineers	88,200	S	6,500	15,300	14,000	17,200	12,000	8,500	6,300	8,400
Male	76,600	S	5,000	11,200	11,500	15,000	11,700	7,900	6,300	7,900
Female	11,600	S	1,400	4,100	2,500	2,200	200	600	S	500
Postsecondary teachers-engineers	11,800	S	1,500	2,300	900	600	1,700	600	1,500	2,700
Male	10,600	S	1,200	1,900	600	400	1,500	600	1,500	2,700
Female	1,200	S	300	300	200	200	100	S	S	S
Non-S&E occupations, total	1,988,800	3,000	75,700	188,700	282,900	365,800	375,300	253,400	161,100	282,800
Male	1,186,100	1,200	34,800	97,000	143,700	210,500	237,600	167,700	110,300	183,300
Female	802,700	1,800	40,800	91,800	139,200	155,400	137,700	85,700	50,800	99,500
Managers/administrators	775,900	300	20,100	69,100	113,300	149,200	158,900	109,800	66,400	88,700
Male	576,800	200	10,900	43,100	67,800	108,600	122,100	92,100	55,400	76,600
Female	199,100	100	9,300	26,000	45,500	40,700	36,800	17,700	11,000	12,100
Health and related	98,700	200	6,200	13,000	16,600	22,600	14,400	10,800	4,100	10,900
Male	25,600	S	1,500	2,300	3,600	6,600	4,200	2,800	1,400	3,300
Female	73,200	200	4,700	10,800	13,100	16,000	10,200	8,000	2,700	7,600
Teachers, except S&E postsecondary	380,800	1,100	9,900	25,700	39,800	67,100	71,900	56,500	32,000	76,900
Male	168,400	400	2,700	10,600	14,300	26,900	34,400	25,600	13,600	39,900
Female	212,400	700	7,200	15,100	25,500	40,300	37,600	30,900	18,400	36,900

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

Table D-8. U.S. scientists and engineers, by highest degree attained, occupation, sex, and age: 1993

Highest degree, occupation, and sex	S&Es, total	Age range								
		<25	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60+
Master's — continued										
Sales/marketing	156,600	200	7,500	19,400	28,100	26,300	26,100	16,000	13,900	19,200
Male	113,400	S	3,900	12,400	18,400	18,000	20,500	12,500	12,900	14,900
Female	43,200	200	3,600	7,000	9,800	8,300	5,500	3,500	1,000	4,300
Other non-S&E occupations ³	576,700	1,300	32,000	61,600	85,100	100,600	104,000	60,300	44,700	87,300
Male	301,900	600	15,900	28,600	39,600	50,500	56,300	34,600	27,000	48,700
Female	274,800	700	16,100	33,000	45,500	50,100	47,600	25,600	17,700	38,600
Doctorate										
All occupations, total²	706,100	S	8,600	58,600	93,300	111,900	122,700	112,800	73,900	124,400
Male	554,300	S	5,900	40,100	66,900	82,800	93,800	93,100	63,400	108,300
Female	151,800	S	2,700	18,400	26,400	29,200	28,900	19,700	10,500	16,000
S&E occupations, total	439,400	S	7,000	46,600	71,200	71,700	68,100	61,800	39,700	73,300
Male	346,500	S	4,900	32,800	52,300	53,800	51,700	51,500	34,200	65,200
Female	92,900	S	2,100	13,700	18,900	18,000	16,500	10,300	5,500	8,000
Scientists, total	367,100	S	5,100	37,600	59,500	62,000	57,800	52,300	32,100	60,600
Male	278,100	S	3,200	25,000	41,500	44,900	41,700	42,200	26,800	52,700
Female	89,000	S	1,900	12,500	18,000	17,100	16,100	10,100	5,400	7,900
Computer/math sci, total	52,400	S	1,200	5,400	7,300	9,200	8,800	9,400	4,800	6,400
Male	42,800	S	700	4,400	6,200	6,800	7,000	8,200	4,200	5,400
Female	9,500	S	400	1,000	1,000	2,400	1,700	1,200	600	1,100
Computer/information scientists	18,500	S	300	2,100	2,900	3,400	3,700	2,800	1,800	1,400
Male	15,800	S	300	1,800	2,600	2,900	3,000	2,600	1,400	1,300
Female	2,800	S	S	300	300	600	800	200	400	100
Mathematical scientists	8,200	S	400	700	800	1,400	1,600	1,700	500	1,100
Male	6,600	S	200	600	500	1,100	1,200	1,500	500	1,100
Female	1,600	S	200	200	300	300	400	200	S	S

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

Table D-8. U.S. scientists and engineers, by highest degree attained, occupation, sex, and age: 1993

Highest degree, occupation, and sex	S&Es, total	Age range								
		<25	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60+
Doctorate — continued										
Postsecondary teachers- computer math sci	25,600	S	400	2,600	3,600	4,300	3,400	4,900	2,500	3,900
Male	20,400	S	200	2,000	3,100	2,800	2,900	4,100	2,300	3,000
Female	5,200	S	200	600	500	1,500	600	800	200	900
Life/related scientists, total	111,400	S	1,500	13,300	22,000	19,400	15,600	13,800	8,200	17,400
Male	83,500	S	900	8,100	14,600	14,400	11,600	11,100	7,200	15,600
Female	27,900	S	600	5,200	7,400	5,100	4,100	2,700	1,000	1,800
Agricultural/food scientists	9,500	S	100	900	1,600	1,600	1,100	1,200	600	2,300
Male	8,300	S	100	700	1,100	1,400	900	1,200	600	2,300
Female	1,200	S	S	200	400	200	200	100	S	S
Biological scientists	63,800	S	1,500	10,800	15,100	11,800	8,000	5,600	3,300	7,700
Male	45,200	S	900	6,500	9,700	8,500	5,700	4,600	2,700	6,700
Female	18,600	S	600	4,400	5,400	3,300	2,300	1,000	600	1,000
Environmental life scientists	1,100	S	S	100	200	100	200	200	100	300
Male	900	S	S	S	100	100	200	200	100	300
Female	200	S	S	S	100	S	S	S	S	S
Postsecondary teachers- life/related sciences	36,900	S	S	1,500	5,100	5,900	6,300	6,800	4,200	7,100
Male	29,000	S	S	900	3,700	4,400	4,800	5,200	3,800	6,300
Female	7,900	S	S	600	1,400	1,500	1,500	1,600	400	700
Physical/related scientists, total ...	87,800	S	1,400	11,000	14,100	12,600	10,700	11,700	9,200	17,100
Male	77,500	S	1,000	8,800	11,900	11,100	9,600	10,800	8,200	16,100
Female	10,200	S	300	2,200	2,200	1,500	1,100	900	900	1,100
Chemistry, except biochemistry	30,200	S	700	4,600	5,500	4,400	3,300	3,100	2,900	5,700
Male	25,900	S	500	3,500	4,600	3,800	2,800	2,800	2,600	5,300
Female	4,300	S	200	1,100	900	600	500	300	300	400

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

Table D-8. U.S. scientists and engineers, by highest degree attained, occupation, sex, and age: 1993

Highest degree, occupation, and sex	S&Es, total	Age range								
		<25	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60+
Doctorate — continued										
Earth scientists/geologists/ oceanographers	11,400	S	100	1,300	1,400	1,500	2,000	1,700	1,100	2,300
Male	10,400	S	100	1,100	1,000	1,400	1,800	1,600	1,100	2,200
Female	1,000	S	S	200	300	100	200	100	100	S
Physicists/astronomers	17,000	S	300	2,600	3,300	2,800	2,100	2,200	1,200	2,500
Male	15,700	S	200	2,300	3,100	2,500	1,900	2,100	1,200	2,400
Female	1,300	S	100	300	200	300	100	100	100	100
Other physical/related scientists	2,300	S	100	300	300	300	100	300	300	500
Male	1,900	S	100	300	300	300	100	300	100	500
Female	400	S	S	S	S	100	S	S	200	100
Postsecondary teachers- physical/related sci	26,900	S	100	2,300	3,600	3,500	3,200	4,300	3,700	6,200
Male	23,700	S	100	1,700	2,900	3,100	2,900	4,000	3,300	5,700
Female	3,200	S	S	600	700	400	300	300	300	500
Social/related scientists, total	115,600	S	1,000	7,800	16,200	20,800	22,700	17,300	10,000	19,700
Male	74,200	S	500	3,700	8,900	12,700	13,500	12,000	7,200	15,700
Female	41,400	S	600	4,100	7,300	8,100	9,200	5,300	2,800	4,000
Economists	7,100	S	100	600	1,400	1,000	1,400	800	500	1,200
Male	5,700	S	100	500	1,000	800	1,100	700	400	1,200
Female	1,300	S	S	200	400	200	300	200	S	100
Political/related scientists	1,600	S	S	S	200	S	300	400	100	500
Male	1,200	S	S	S	200	S	200	200	100	500
Female	500	S	S	S	S	S	100	300	S	S
Psychologists	46,700	S	500	3,200	6,800	10,200	10,200	6,700	3,000	6,000
Male	25,100	S	200	1,200	3,000	5,900	5,100	4,100	1,400	4,300
Female	21,600	S	300	2,100	3,800	4,400	5,200	2,600	1,600	1,700

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

Table D-8. U.S. scientists and engineers, by highest degree attained, occupation, sex, and age: 1993

Highest degree, occupation, and sex	S&Es, total	Age range								
		<25	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60+
Doctorate — continued										
Sociologists/anthropologists	3,900	S	S	100	400	700	700	500	300	1,200
Male	2,400	S	S	S	100	300	400	400	100	1,000
Female	1,600	S	S	100	300	400	300	100	200	200
Other social/related scientists	3,300	S	S	100	300	700	800	400	600	400
Male	2,300	S	S	S	200	400	600	300	400	300
Female	1,000	S	S	100	100	200	200	100	200	100
Postsecondary teachers- social/related sci	52,900	S	400	3,600	7,100	8,200	9,200	8,400	5,600	10,300
Male	37,500	S	100	2,000	4,300	5,200	6,100	6,400	4,800	8,400
Female	15,400	S	300	1,600	2,800	2,900	3,100	2,000	800	1,900
Engineers, total	72,300	S	1,800	9,000	11,700	9,700	10,300	9,500	7,600	12,600
Male	68,400	S	1,700	7,800	10,800	8,800	10,000	9,300	7,500	12,500
Female	3,900	S	100	1,200	900	900	300	200	100	100
Aerospace/related engineers	4,000	S	S	400	600	700	900	400	500	400
Male	3,900	S	S	400	600	700	900	400	500	400
Female	100	S	S	S	S	100	S	S	S	S
Chemical engineers	7,100	S	100	1,300	1,300	700	900	800	700	1,400
Male	6,700	S	100	1,100	1,200	600	900	800	600	1,400
Female	400	S	S	200	100	100	S	S	S	S
Civil/architectural engineers	3,600	S	S	500	400	400	600	700	300	700
Male	3,500	S	S	400	400	400	600	700	300	700
Female	100	S	S	S	S	S	S	S	S	S
Electrical/related engineers	12,900	S	400	1,700	1,800	1,800	2,100	1,900	900	2,300
Male	12,400	S	400	1,600	1,700	1,700	2,100	1,800	900	2,300
Female	500	S	S	200	100	100	100	S	100	S
Industrial engineers	600	S	S	100	100	100	S	100	S	100
Male	600	S	S	S	100	100	S	100	S	100
Female	S	S	S	S	S	S	S	S	S	S

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

Table D-8. U.S. scientists and engineers, by highest degree attained, occupation, sex, and age: 1993

Highest degree, occupation, and sex	S&Es, total	Age range								
		<25	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60+
Doctorate — continued										
Mechanical engineers	7,100	S	600	900	1,500	900	600	800	1,000	800
Male	6,900	S	600	900	1,400	800	600	800	1,000	800
Female	200	S	S	S	100	100	S	S	S	S
Other engineers	18,100	S	400	2,500	3,000	2,700	2,700	2,000	1,700	3,200
Male	16,400	S	200	2,000	2,700	2,300	2,600	2,000	1,600	3,100
Female	1,700	S	100	600	300	300	200	100	S	100
Postsecondary teachers-engineers	18,900	S	300	1,700	2,900	2,400	2,500	2,700	2,600	3,700
Male	18,000	S	300	1,500	2,600	2,200	2,400	2,700	2,600	3,700
Female	900	S	S	200	200	300	100	S	S	S
Non-S&E occupations, total	266,700	S	1,600	12,000	22,100	40,200	54,500	51,000	34,200	51,100
Male	207,900	S	1,000	7,300	14,600	29,000	42,100	41,600	29,200	43,100
Female	58,900	S	600	4,700	7,600	11,200	12,400	9,400	5,000	8,000
Managers/administrators	128,500	S	100	3,300	8,700	20,100	28,500	29,100	17,700	20,900
Male	107,900	S	100	2,500	6,300	15,800	23,400	25,300	15,600	18,900
Female	20,700	S	S	800	2,500	4,400	5,100	3,800	2,100	2,000
Health and related	25,000	S	100	1,600	3,200	4,000	4,500	2,900	3,000	5,600
Male	17,700	S	S	1,200	2,000	2,700	3,200	2,100	2,300	4,100
Female	7,300	S	100	500	1,200	1,300	1,300	800	800	1,500
Teachers, except S&E postsecondary	54,900	S	500	2,900	5,500	8,000	10,400	9,800	6,300	11,600
Male	35,800	S	100	900	2,900	4,100	7,000	6,800	5,000	8,900
Female	19,100	S	400	2,000	2,600	3,900	3,400	2,900	1,300	2,700
Sales/marketing	8,300	S	S	300	700	1,000	1,400	1,300	1,300	2,200
Male	6,600	S	S	200	600	900	900	800	1,300	2,000
Female	1,700	S	S	100	100	200	500	500	S	300

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

Table D-8. U.S. scientists and engineers, by highest degree attained, occupation, sex, and age: 1993

Highest degree, occupation, and sex	S&Es, total	Age range								
		<25	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60+
Doctorate — continued										
Other non-S&E occupations ³	50,000	S	900	3,800	3,900	7,000	9,800	8,000	5,800	10,800
Male	40,000	S	800	2,500	2,800	5,500	7,600	6,500	4,900	9,200
Female	10,000	S	100	1,300	1,100	1,500	2,100	1,500	900	1,500

1 Includes professional degrees

2 Total excludes 37,000 individuals who reported never having worked. For unemployed individuals, occupation is for their previous reported job.

3 Includes individuals employed in non-S&E occupations, not shown 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 are employed in an S&E occupation. 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 Studies Division, 1993 SESTAT (Scientists and Engineers Statistical Data System)