

Table D-3. U.S. scientists and engineers, by highest degree attained, broad occupation, sex, and employment status: 1997

Highest degree, occupation, 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 occupations, total²	12,512,000	10,585,600	9,476,700	1,109,000	191,900	1,734,600	1,005,100	729,500
Male	8,097,900	7,037,600	6,589,100	448,600	112,800	947,500	754,400	193,100
Female	4,414,100	3,548,000	2,887,600	660,400	79,100	787,100	250,700	536,400
S&E occupations, total	3,899,000	3,369,400	3,105,000	264,400	52,900	476,600	334,300	142,300
Male	3,006,600	2,606,100	2,469,000	137,100	35,900	358,600	303,900	54,700
Female	898,400	763,300	636,000	127,300	17,000	118,100	30,400	87,600
Scientists, total	2,261,500	1,995,100	1,791,000	204,000	30,000	236,400	126,000	110,500
Male	1,506,700	1,355,400	1,266,700	88,700	16,100	135,100	98,200	37,000
Female	754,800	639,600	524,300	115,300	13,900	101,300	27,800	73,500
Computer/math scientists, total	1,129,700	1,039,500	974,400	65,100	14,600	75,700	40,000	35,700
Male	809,200	758,600	727,500	31,100	8,000	42,600	31,300	11,400
Female	320,500	280,900	246,900	34,000	6,600	33,000	8,700	24,300
Life/related scientists, total ..	387,300	321,800	292,700	29,000	7,400	58,100	26,700	31,400
Male	242,700	205,900	192,200	13,700	4,100	32,800	20,500	12,300
Female	144,500	115,900	100,600	15,300	3,300	25,300	6,200	19,100
Physical/related scientists, total	343,500	284,900	259,500	25,300	4,600	54,100	37,000	17,200
Male	264,400	223,100	206,500	16,500	3,000	38,400	31,400	7,000
Female	79,100	61,800	53,000	8,800	1,600	15,800	5,600	10,200
Social/related scientists, total	401,000	349,000	264,400	84,500	3,500	48,500	22,300	26,200
Male	190,300	167,900	140,500	27,400	1,100	21,300	15,100	6,300
Female	210,600	181,100	123,900	57,200	2,400	27,200	7,300	19,900
Engineers, total	1,637,500	1,374,400	1,314,000	60,400	22,900	240,200	208,400	31,800
Male	1,493,900	1,250,700	1,202,300	48,400	19,800	223,400	205,700	17,700
Female	143,600	123,700	111,700	12,000	3,100	16,800	2,600	14,100
Non-S&E occupations, total	8,613,100	7,216,200	6,371,600	844,600	138,900	1,257,900	670,700	587,200
Male	5,097,300	4,431,500	4,120,100	311,400	76,900	588,900	450,500	138,500
Female	3,515,700	2,784,700	2,251,600	533,100	62,100	669,000	220,200	448,700
Managers/administrators	2,321,300	2,019,900	1,941,100	78,800	29,100	272,300	212,000	60,300
Male	1,663,700	1,453,100	1,413,400	39,700	19,600	191,000	177,800	13,200
Female	657,600	566,800	527,700	39,100	9,500	81,300	34,100	47,100
Other non-S&E occupations ..	6,291,800	5,196,300	4,430,500	765,700	109,800	985,700	458,800	526,900
Male	3,433,700	2,978,400	2,706,700	271,700	57,300	398,000	272,700	125,300
Female	2,858,100	2,217,900	1,723,800	494,000	52,600	587,700	186,100	401,600

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

Table D-3. U.S. scientists and engineers, by highest degree attained, broad occupation, sex, and employment status: 1997

Highest degree, occupation, 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								
All occupations, total²	7,456,800	6,193,700	5,545,400	648,300	123,600	1,139,500	604,800	534,700
Male	4,731,300	4,056,500	3,811,600	244,900	71,900	602,900	462,600	140,200
Female	2,725,500	2,137,200	1,733,700	403,500	51,700	536,600	142,200	394,500
S&E occupations, total	2,252,100	1,916,800	1,794,800	122,000	31,800	303,500	214,100	89,400
Male	1,776,100	1,521,800	1,452,000	69,800	20,800	233,500	199,000	34,400
Female	476,000	395,000	342,800	52,200	11,000	70,000	15,100	54,900
Scientists, total	1,135,500	1,000,200	915,400	84,800	16,700	118,600	52,300	66,300
Male	757,900	688,400	649,500	38,900	7,900	61,600	39,100	22,400
Female	377,700	311,800	265,900	45,900	8,800	57,000	13,100	43,900
Computer/math scientists, total	731,900	675,300	639,100	36,200	10,500	46,000	21,000	25,000
Male	516,300	487,900	472,900	15,000	5,400	22,900	16,200	6,800
Female	215,600	187,400	166,200	21,200	5,100	23,100	4,900	18,200
Life/related scientists, total ..	158,100	125,200	111,400	13,800	3,100	29,900	8,700	21,200
Male	90,400	74,300	67,500	6,700	900	15,200	6,000	9,200
Female	67,800	50,900	43,900	7,000	2,200	14,700	2,700	11,900
Physical/related scientists, total	163,300	131,700	118,200	13,500	2,400	29,200	18,800	10,400
Male	117,600	97,100	88,700	8,400	1,300	19,200	15,000	4,200
Female	45,600	34,600	29,500	5,000	1,100	10,000	3,800	6,200
Social/related scientists, total	82,200	68,000	46,700	21,300	800	13,500	3,700	9,700
Male	33,600	29,100	20,400	8,700	300	4,200	2,000	2,200
Female	48,600	38,900	26,300	12,600	500	9,200	1,700	7,500
Engineers, total	1,116,600	916,600	879,400	37,200	15,100	184,900	161,800	23,000
Male	1,018,200	833,400	802,600	30,900	12,900	171,900	159,900	12,000
Female	98,300	83,200	76,900	6,300	2,200	12,900	1,900	11,000
Non-S&E occupations, total	5,204,700	4,276,900	3,750,600	526,300	91,800	836,000	390,700	445,300
Male	2,955,200	2,534,700	2,359,600	175,100	51,100	369,400	263,600	105,800
Female	2,249,500	1,742,200	1,391,000	351,200	40,600	466,700	127,100	339,500
Managers/administrators	1,319,600	1,141,100	1,095,300	45,800	14,200	164,300	129,800	34,500
Male	931,300	808,500	787,100	21,300	8,600	114,300	108,500	5,800
Female	388,300	332,600	308,200	24,500	5,600	50,000	21,400	28,700
Other non-S&E occupations ..	3,885,100	3,135,800	2,655,300	480,600	77,600	671,700	260,900	410,800
Male	2,023,900	1,726,200	1,572,500	153,800	42,600	255,100	155,100	99,900
Female	1,861,300	1,409,600	1,082,800	326,800	35,000	416,600	105,800	310,900

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

Table D-3. U.S. scientists and engineers, by highest degree attained, broad occupation, sex, and employment status: 1997

Highest degree, occupation, 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								
All occupations, total²	3,311,300	2,819,800	2,503,300	316,500	52,200	439,300	289,600	149,700
Male	2,066,000	1,800,500	1,675,000	125,500	29,800	235,700	197,100	38,600
Female	1,245,300	1,019,300	828,300	191,000	22,400	203,600	92,500	111,200
S&E occupations, total	1,100,000	967,900	863,800	104,100	14,000	118,200	76,300	41,900
Male	806,700	715,300	668,400	46,900	9,700	81,700	66,600	15,100
Female	293,300	252,600	195,300	57,300	4,300	36,500	9,600	26,900
Scientists, total	671,100	592,000	507,400	84,600	7,200	71,900	37,700	34,200
Male	416,900	374,400	342,000	32,400	3,600	38,900	28,700	10,200
Female	254,200	217,600	165,400	52,200	3,500	33,000	9,000	24,000
Computer/math scientists, total	328,500	301,600	277,400	24,200	3,100	23,800	14,600	9,200
Male	236,500	219,300	206,200	13,100	2,000	15,200	11,800	3,400
Female	91,900	82,300	71,200	11,100	1,000	8,600	2,800	5,800
Life/related scientists, total ..	83,800	70,300	61,700	8,500	1,200	12,400	5,700	6,600
Male	46,500	40,000	36,800	3,200	700	5,800	4,000	1,800
Female	37,300	30,300	24,900	5,300	500	6,600	1,700	4,900
Physical/related scientists, total	83,300	69,100	61,800	7,300	1,000	13,100	8,200	4,900
Male	62,500	52,600	48,100	4,500	600	9,300	7,500	1,800
Female	20,800	16,500	13,700	2,800	400	3,800	700	3,100
Social/related scientists, total	175,600	151,100	106,500	44,600	2,000	22,600	9,200	13,400
Male	71,500	62,500	50,900	11,600	400	8,600	5,400	3,200
Female	104,100	88,600	55,600	33,000	1,600	14,000	3,800	10,200
Engineers, total	428,900	375,900	356,300	19,500	6,800	46,300	38,500	7,700
Male	389,800	340,900	326,400	14,500	6,100	42,800	37,900	4,800
Female	39,100	34,900	29,900	5,000	700	3,500	600	2,900
Non-S&E occupations, total	2,211,300	1,851,900	1,639,600	212,400	38,100	321,200	213,400	107,800
Male	1,259,300	1,085,200	1,006,600	78,700	20,100	154,000	130,500	23,500
Female	952,000	766,700	633,000	133,700	18,100	167,200	82,900	84,300
Managers/administrators	826,600	724,800	698,500	26,300	13,300	88,400	65,700	22,800
Male	591,900	522,400	509,300	13,100	9,700	59,700	54,200	5,500
Female	234,700	202,400	189,200	13,200	3,600	28,700	11,400	17,300
Other non-S&E occupations ..	1,384,700	1,127,100	941,000	186,100	24,800	232,700	147,700	85,000
Male	667,400	562,800	497,300	65,500	10,300	94,300	76,300	18,000
Female	717,200	564,300	443,800	120,500	14,500	138,400	71,400	67,000

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

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Highest degree, occupation, 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								
All occupations, total²	789,700	696,000	637,400	58,700	9,700	83,900	67,700	16,200
Male	599,400	528,000	494,900	33,100	7,000	64,400	58,400	6,000
Female	190,300	168,000	142,500	25,600	2,700	19,500	9,300	10,300
S&E occupations, total	511,900	454,700	418,900	35,800	6,300	50,900	41,300	9,600
Male	393,700	348,300	328,900	19,500	4,800	40,600	36,500	4,100
Female	118,100	106,400	90,000	16,300	1,600	10,200	4,800	5,400
Scientists, total	422,700	375,300	342,800	32,400	5,300	42,100	33,500	8,600
Male	310,400	274,200	257,500	16,800	3,900	32,200	28,800	3,500
Female	112,300	101,000	85,300	15,700	1,400	9,900	4,700	5,200
Computer/math scientists, total	64,800	59,000	54,500	4,500	1,000	4,900	3,900	1,000
Male	53,000	48,500	45,700	2,800	600	3,900	3,100	900
Female	11,900	10,500	8,800	1,700	400	1,000	800	200
Life/related scientists, total ..	128,400	111,800	105,500	6,300	2,400	14,200	10,900	3,200
Male	92,800	80,600	77,000	3,500	1,800	10,400	9,400	1,000
Female	35,600	31,200	28,500	2,700	600	3,800	1,500	2,300
Physical/related scientists, total	96,100	83,700	79,200	4,500	1,200	11,200	9,500	1,700
Male	83,900	73,000	69,400	3,600	1,100	9,800	8,900	900
Female	12,200	10,700	9,800	900	100	1,400	600	800
Social/related scientists, total	133,300	120,800	103,600	17,200	800	11,800	9,200	2,600
Male	80,800	72,200	65,400	6,800	500	8,200	7,400	700
Female	52,500	48,600	38,200	10,400	300	3,600	1,800	1,900
Engineers, total	89,200	79,400	76,100	3,300	1,000	8,800	7,800	900
Male	83,300	74,100	71,400	2,700	800	8,400	7,700	700
Female	5,900	5,300	4,700	700	200	400	100	300
Non-S&E occupations, total	277,800	241,300	218,400	22,900	3,400	33,100	26,400	6,700
Male	205,700	179,700	166,000	13,700	2,300	23,700	21,900	1,800
Female	72,100	61,700	52,400	9,200	1,100	9,300	4,500	4,800
Managers/administrators	115,300	102,400	98,300	4,100	1,200	11,700	10,600	1,100
Male	94,600	83,200	80,100	3,100	800	10,600	9,700	900
Female	20,700	19,200	18,200	1,000	300	1,100	900	200

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

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broad occupation, sex, and employment status: 1997**

Highest degree, occupation, 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 non-S&E occupations ..	162,500	138,900	120,200	18,800	2,200	21,300	15,800	5,600
Male	111,100	96,500	85,900	10,600	1,400	13,100	12,200	1,000
Female	51,500	42,400	34,200	8,200	800	8,200	3,600	4,600

1 Includes professional degrees

2 Total excludes 18,700 individuals who reported never having worked. For unemployed individuals, occupation is for their previous reported job.

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 or 1997 SESTAT surveys. Figures are rounded to nearest hundred. Details may not add to total because of rounding.

SOURCE: National Science Foundation/Science Resources Studies Division, 1997 SESTAT (Scientists and Engineers Statistical Data System)