

Table D-3. U.S. scientists and engineers, by highest degree attained, broad occupation, sex, and employment status: 1993

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	11,578,200	9,793,500	8,793,000	1,000,500	318,200	1,466,500	825,200	641,400
Male	7,734,000	6,729,500	6,316,800	412,700	211,000	793,600	624,600	169,000
Female	3,844,200	3,064,100	2,476,200	587,800	107,200	673,000	200,600	472,400
S&E occupations, total	3,786,100	3,303,400	3,019,400	284,000	87,900	394,800	266,400	128,400
Male	2,910,500	2,547,900	2,396,300	151,600	71,400	291,300	244,500	46,800
Female	875,600	755,500	623,100	132,400	16,500	103,600	21,900	81,700
Scientists, total	2,140,900	1,912,300	1,691,400	220,900	38,600	190,000	93,800	96,200
Male	1,405,500	1,276,400	1,177,400	99,000	26,600	102,600	74,300	28,200
Female	735,400	635,900	514,000	121,900	12,100	87,500	19,500	68,000
Computer/math scientists, total	1,065,900	991,500	917,500	74,000	19,400	55,000	20,500	34,500
Male	724,400	686,100	652,500	33,600	14,800	23,400	15,900	7,500
Female	341,500	305,400	265,000	40,400	4,600	31,500	4,500	27,000
Life/related scientists, total ..	379,000	322,300	286,600	35,700	5,700	51,000	23,100	27,900
Male	244,600	212,600	193,700	18,900	2,900	29,100	19,000	10,100
Female	134,400	109,700	92,900	16,800	2,800	21,900	4,100	17,800
Physical/related scientists, total	339,500	280,900	247,900	33,100	8,200	50,400	33,400	16,900
Male	261,600	221,100	200,400	20,700	5,800	34,700	28,200	6,500
Female	77,900	59,900	47,500	12,400	2,400	15,600	5,300	10,400
Social/related scientists, total	356,600	317,600	239,500	78,100	5,300	33,700	16,900	16,900
Male	174,900	156,600	130,800	25,800	3,000	15,300	11,200	4,100
Female	181,600	160,900	108,700	52,300	2,300	18,400	5,700	12,700
Engineers, total	1,645,100	1,391,100	1,328,000	63,100	49,300	204,800	172,600	32,200
Male	1,505,000	1,271,500	1,218,900	52,600	44,800	188,700	170,200	18,500
Female	140,200	119,600	109,100	10,500	4,500	16,100	2,400	13,700
Non-S&E occupations, total	7,792,100	6,490,100	5,773,600	716,600	230,300	1,071,700	558,800	512,900
Male	4,823,500	4,181,600	3,920,500	261,100	139,600	502,300	380,100	122,200
Female	2,968,600	2,308,600	1,853,100	455,500	90,600	569,400	178,700	390,700
Managers/administrators	2,296,500	1,994,400	1,908,900	85,500	47,100	255,000	183,300	71,700
Male	1,716,300	1,499,700	1,458,900	40,800	33,600	183,000	163,300	19,700
Female	580,200	494,700	450,000	44,700	13,500	72,000	20,000	52,000
Other non-S&E occupations ..	5,495,600	4,495,700	3,864,700	631,000	183,100	816,800	375,500	441,200
Male	3,107,200	2,681,900	2,461,600	220,300	106,000	319,300	216,800	102,500
Female	2,388,400	1,813,900	1,403,100	410,800	77,100	497,400	158,700	338,700

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: 1993

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	6,948,800	5,727,200	5,110,700	616,500	222,900	998,700	522,600	476,100
Male	4,546,200	3,876,700	3,638,300	238,400	144,100	525,400	402,000	123,400
Female	2,402,600	1,850,500	1,472,400	378,000	78,900	473,300	120,600	352,700
S&E occupations, total	2,293,600	1,980,300	1,837,600	142,700	56,100	257,200	177,500	79,700
Male	1,794,800	1,553,200	1,475,300	77,900	46,400	195,200	165,500	29,700
Female	498,800	427,200	362,300	64,800	9,700	62,000	12,100	49,900
Scientists, total	1,122,700	1,007,000	904,700	102,300	18,400	97,300	41,400	55,900
Male	724,900	664,900	620,700	44,200	12,000	47,900	31,400	16,500
Female	397,800	342,100	284,000	58,100	6,300	49,400	10,000	39,300
Computer/math scientists, total	720,300	676,200	630,900	45,300	10,300	33,800	10,400	23,400
Male	477,600	457,700	440,900	16,800	7,300	12,600	7,600	5,000
Female	242,700	218,500	190,000	28,500	3,000	21,100	2,700	18,400
Life/related scientists, total ..	159,900	131,600	113,800	17,800	2,600	25,700	8,700	17,000
Male	97,400	82,200	72,700	9,500	1,400	13,900	6,900	7,000
Female	62,400	49,500	41,100	8,400	1,100	11,800	1,800	10,000
Physical/related scientists, total	163,200	130,700	114,200	16,400	3,300	29,200	20,000	9,300
Male	118,000	96,900	87,300	9,600	2,000	19,100	15,800	3,300
Female	45,200	33,700	26,900	6,800	1,300	10,100	4,200	5,900
Social/related scientists, total	79,300	68,500	45,800	22,700	2,200	8,600	2,400	6,200
Male	31,900	28,200	19,800	8,400	1,400	2,300	1,100	1,200
Female	47,400	40,300	26,000	14,400	800	6,300	1,300	5,000
Engineers, total	1,170,900	973,300	932,900	40,400	37,700	159,900	136,100	23,800
Male	1,069,900	888,200	854,600	33,600	34,400	147,300	134,100	13,200
Female	101,000	85,100	78,300	6,800	3,300	12,600	2,000	10,600
Non-S&E occupations, total	4,655,200	3,746,900	3,273,100	473,800	166,800	741,500	345,100	396,400
Male	2,751,400	2,323,600	2,163,000	160,600	97,600	330,200	236,500	93,700
Female	1,903,800	1,423,300	1,110,100	313,200	69,200	411,300	108,500	302,800
Managers/administrators	1,340,300	1,134,700	1,085,300	49,500	30,200	175,400	125,000	50,400
Male	991,300	844,900	824,400	20,500	20,500	125,800	111,000	14,800
Female	349,000	289,800	260,800	29,000	9,700	49,600	14,000	35,600
Other non-S&E occupations ..	3,314,800	2,612,200	2,187,900	424,300	136,600	566,100	220,100	346,000
Male	1,760,100	1,478,600	1,338,600	140,000	77,100	204,400	125,500	78,800
Female	1,554,800	1,133,500	849,300	284,300	59,500	361,700	94,600	267,200

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: 1993

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	3,002,400	2,575,600	2,288,400	287,200	73,800	353,100	221,500	131,600
Male	1,927,400	1,688,100	1,564,900	123,100	51,500	187,800	154,800	33,100
Female	1,075,000	887,500	723,400	164,100	22,300	165,200	66,700	98,500
S&E occupations, total	1,013,600	891,300	781,100	110,200	25,200	97,200	57,200	40,000
Male	741,300	657,300	600,100	57,200	19,900	64,100	51,200	13,000
Female	272,300	234,000	181,100	53,000	5,300	33,000	6,100	27,000
Scientists, total	615,600	541,400	450,500	90,900	15,000	59,200	26,500	32,700
Male	378,200	338,200	296,700	41,500	10,700	29,300	20,700	8,600
Female	237,400	203,300	153,800	49,500	4,200	29,900	5,800	24,100
Computer/math scientists, total	290,100	263,600	237,900	25,700	8,300	18,200	7,700	10,500
Male	201,200	185,400	170,600	14,800	6,900	8,900	6,500	2,300
Female	88,900	78,200	67,300	10,900	1,400	9,300	1,200	8,100
Life/related scientists, total ..	85,100	70,400	59,200	11,200	1,800	12,900	5,300	7,600
Male	47,000	40,500	34,800	5,700	700	5,800	4,000	1,800
Female	38,100	29,900	24,300	5,500	1,100	7,100	1,200	5,800
Physical/related scientists, total	87,400	72,600	60,100	12,400	2,900	11,900	6,000	6,000
Male	65,700	55,600	47,400	8,200	2,300	7,900	5,700	2,200
Female	21,600	17,000	12,800	4,200	600	4,100	300	3,800
Social/related scientists, total	153,100	134,900	93,300	41,600	2,000	16,200	7,600	8,600
Male	64,300	56,600	43,800	12,800	900	6,700	4,400	2,300
Female	88,800	78,200	49,400	28,800	1,100	9,500	3,200	6,300
Engineers, total	398,000	349,900	330,600	19,200	10,200	38,000	30,700	7,300
Male	363,100	319,100	303,400	15,700	9,200	34,800	30,500	4,400
Female	34,900	30,800	27,200	3,500	1,000	3,100	200	2,900
Non-S&E occupations, total	1,988,800	1,684,300	1,507,200	177,000	48,600	255,900	164,300	91,600
Male	1,186,100	1,030,800	964,900	65,900	31,600	123,700	103,600	20,100
Female	802,700	653,500	542,400	111,100	17,100	132,200	60,700	71,500
Managers/administrators	775,900	693,200	663,400	29,800	13,800	68,800	49,200	19,600
Male	576,800	518,500	503,000	15,400	10,700	47,600	43,600	4,100
Female	199,100	174,700	160,400	14,400	3,100	21,200	5,600	15,500
Other non-S&E occupations ..	1,212,900	991,100	843,800	147,200	34,800	187,100	115,000	72,000
Male	609,300	512,300	461,800	50,500	20,900	76,100	60,000	16,000
Female	603,600	478,700	382,000	96,700	13,900	111,000	55,000	56,000

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	706,100	634,800	590,400	44,300	11,200	60,100	47,200	13,000
Male	554,300	499,400	473,300	26,100	9,000	45,900	40,100	5,800
Female	151,800	135,400	117,100	18,200	2,200	14,300	7,100	7,200
S&E occupations, total	439,400	395,600	368,500	27,100	6,500	37,300	29,700	7,700
Male	346,500	311,500	296,900	14,600	4,900	30,100	26,500	3,600
Female	92,900	84,100	71,600	12,500	1,600	7,300	3,100	4,100
Scientists, total	367,100	330,500	306,700	23,800	5,200	31,400	24,400	6,900
Male	278,100	250,000	238,400	11,600	3,700	24,400	21,400	3,000
Female	89,000	80,600	68,300	12,300	1,500	7,000	3,000	4,000
Computer/math scientists, total	52,400	48,700	45,800	2,900	700	2,900	2,300	700
Male	42,800	40,400	38,500	1,900	600	1,800	1,600	200
Female	9,500	8,300	7,300	1,000	100	1,100	700	500
Life/related scientists, total ..	111,400	98,100	93,600	4,500	1,400	11,900	9,000	2,900
Male	83,500	73,300	70,700	2,600	900	9,300	8,100	1,300
Female	27,900	24,800	23,000	1,800	500	2,600	1,000	1,600
Physical/related scientists, total	87,800	77,000	72,900	4,100	2,000	8,800	7,100	1,700
Male	77,500	68,300	65,500	2,800	1,500	7,800	6,700	1,000
Female	10,200	8,700	7,400	1,400	500	1,000	400	600
Social/related scientists, total	115,600	106,700	94,400	12,400	1,100	7,800	6,000	1,800
Male	74,200	68,000	63,800	4,200	700	5,500	5,000	500
Female	41,400	38,700	30,600	8,100	400	2,300	1,000	1,300
Engineers, total	72,300	65,000	61,800	3,200	1,300	6,000	5,200	700
Male	68,400	61,500	58,500	3,000	1,200	5,600	5,100	600
Female	3,900	3,500	3,300	200	100	300	100	200
Non-S&E occupations, total	266,700	239,200	222,000	17,300	4,700	22,800	17,500	5,300
Male	207,900	187,900	176,400	11,500	4,100	15,800	13,600	2,200
Female	58,900	51,300	45,500	5,800	600	7,000	4,000	3,000
Managers/administrators	128,500	119,000	115,000	4,000	1,700	7,800	6,700	1,100
Male	107,900	99,300	96,100	3,100	1,600	7,000	6,300	700
Female	20,700	19,700	18,800	900	200	800	400	400

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: 1993

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 ..	138,200	120,200	107,000	13,200	3,000	15,000	10,800	4,200
Male	100,000	88,700	80,300	8,400	2,500	8,800	7,200	1,600
Female	38,200	31,600	26,700	4,900	500	6,200	3,600	2,600

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.

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.

SOURCE: National Science Foundation/Science Resources Studies Division, 1993 SESTAT (Scientists and Engineers Statistical Data System)