

Table D-12. U.S. scientists and engineers, by highest degree attained, broad occupation, sex, and race/ethnicity: 1993

Highest degree, occupation, and sex	S&Es, total	Race/ethnicity				
		White	Black	Hispanic	Asian	Other
All degree levels¹						
All occupations, total²	11,578,200	9,871,500	573,200	350,400	748,100	35,000
Male	7,734,000	6,703,700	291,100	220,800	495,700	22,800
Female	3,844,200	3,167,800	282,100	129,600	252,500	12,200
S&E occupations, total	3,786,100	3,204,200	131,500	107,300	332,000	11,000
Male	2,910,500	2,485,700	85,000	79,600	252,400	7,900
Female	875,600	718,600	46,500	27,800	79,600	3,100
Scientists, total	2,140,900	1,809,300	87,400	60,200	177,300	6,700
Male	1,405,500	1,202,300	48,900	37,000	113,400	3,900
Female	735,400	607,000	38,500	23,200	63,900	2,700
Computer/math scientists, total	1,065,900	890,700	47,200	28,600	96,800	2,500
Male	724,400	614,400	26,700	19,200	62,300	1,800
Female	341,500	276,300	20,400	9,400	34,600	700
Life/related scientists, total	379,000	317,400	12,600	11,300	36,400	1,300
Male	244,600	209,700	6,700	6,500	21,100	500
Female	134,400	107,600	5,900	4,900	15,300	700
Physical/related scientists, total ...	339,500	289,800	9,100	8,600	30,800	1,100
Male	261,600	226,800	6,100	5,900	22,100	600
Female	77,900	63,000	2,900	2,700	8,700	500
Social/related scientists, total	356,600	311,400	18,600	11,700	13,300	1,700
Male	174,900	151,300	9,300	5,400	7,900	1,000
Female	181,600	160,000	9,300	6,200	5,400	700
Engineers, total	1,645,100	1,394,900	44,100	47,100	154,700	4,300
Male	1,505,000	1,283,400	36,100	42,500	139,000	4,000
Female	140,200	111,500	8,000	4,600	15,700	400
Non-S&E occupations, total	7,792,100	6,667,200	441,700	243,100	416,100	24,000
Male	4,823,500	4,218,000	206,100	141,200	243,300	14,900
Female	2,968,600	2,449,200	235,600	101,800	172,800	9,100
Managers/administrators	2,296,500	2,006,200	113,300	64,700	105,300	7,000
Male	1,716,300	1,529,800	61,100	45,300	74,800	5,200
Female	580,200	476,400	52,200	19,400	30,500	1,800
Other non-S&E occupations	5,495,600	4,661,000	328,400	178,400	310,800	17,000
Male	3,107,200	2,688,200	145,000	95,900	168,500	9,700
Female	2,388,400	1,972,800	183,400	82,500	142,300	7,400

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

Table D-12. U.S. scientists and engineers, by highest degree attained, broad occupation, sex, and race/ethnicity: 1993

Highest degree, occupation, and sex	S&Es, total	Race/ethnicity				
		White	Black	Hispanic	Asian	Other
Bachelor's						
All occupations, total²	6,948,800	5,943,700	366,800	222,600	393,500	22,300
Male	4,546,200	3,974,800	181,200	137,400	239,300	13,400
Female	2,402,600	1,968,800	185,600	85,200	154,200	8,800
S&E occupations, total	2,293,600	1,979,800	92,800	69,100	144,500	7,300
Male	1,794,800	1,573,300	59,500	52,100	104,600	5,300
Female	498,800	406,500	33,300	17,000	39,900	2,100
Scientists, total	1,122,700	957,900	57,500	35,100	68,000	4,200
Male	724,900	632,300	30,800	21,600	37,800	2,400
Female	397,800	325,500	26,700	13,500	30,200	1,800
Computer/math scientists, total	720,300	612,500	36,500	21,200	48,100	2,000
Male	477,600	414,200	20,100	14,100	27,900	1,400
Female	242,700	198,300	16,500	7,100	20,200	600
Life/related scientists, total	159,900	137,500	7,500	5,800	8,300	700
Male	97,400	86,200	3,900	3,000	4,100	200
Female	62,400	51,400	3,600	2,800	4,200	500
Physical/related scientists, total ...	163,200	142,600	6,500	4,500	8,900	800
Male	118,000	106,500	4,000	2,900	4,300	300
Female	45,200	36,100	2,500	1,600	4,600	400
Social/related scientists, total	79,300	65,300	7,000	3,600	2,700	700
Male	31,900	25,400	2,800	1,700	1,500	400
Female	47,400	39,800	4,200	2,000	1,200	300
Engineers, total	1,170,900	1,021,900	35,300	34,000	76,500	3,200
Male	1,069,900	941,000	28,700	30,500	66,800	2,900
Female	101,000	80,900	6,500	3,600	9,700	300
Non-S&E occupations, total	4,655,200	3,963,900	274,000	153,400	249,000	14,900
Male	2,751,400	2,401,500	121,700	85,300	134,800	8,200
Female	1,903,800	1,562,400	152,300	68,100	114,200	6,800
Managers/administrators	1,340,300	1,177,700	64,200	40,100	54,100	4,200
Male	991,300	890,600	33,600	28,100	36,200	2,800
Female	349,000	287,100	30,600	12,000	17,900	1,400
Other non-S&E occupations	3,314,800	2,786,100	209,800	113,300	194,900	10,700
Male	1,760,100	1,510,900	88,000	57,200	98,600	5,400
Female	1,554,800	1,275,200	121,700	56,100	96,400	5,300

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

Table D-12. U.S. scientists and engineers, by highest degree attained, broad occupation, sex, and race/ethnicity: 1993

Highest degree, occupation, and sex	S&Es, total	Race/ethnicity				
		White	Black	Hispanic	Asian	Other
Master's						
All occupations, total²	3,002,400	2,526,400	148,100	82,200	237,600	8,100
Male	1,927,400	1,631,100	72,700	51,100	166,900	5,600
Female	1,075,000	895,300	75,400	31,100	70,700	2,500
S&E occupations, total	1,013,600	831,000	28,100	26,900	125,600	2,000
Male	741,300	604,600	17,800	19,300	98,100	1,400
Female	272,300	226,400	10,300	7,600	27,400	600
Scientists, total	615,600	513,000	20,400	15,300	65,900	1,000
Male	378,200	314,500	11,400	8,600	43,200	400
Female	237,400	198,500	9,000	6,700	22,700	500
Computer/math scientists, total	290,100	233,900	8,900	6,000	40,900	400
Male	201,200	163,600	5,300	4,100	27,900	300
Female	88,900	70,400	3,600	1,900	13,000	100
Life/related scientists, total	85,100	70,000	3,000	2,000	9,900	100
Male	47,000	39,800	1,400	1,000	4,800	S
Female	38,100	30,200	1,600	1,100	5,100	100
Physical/related scientists, total ...	87,400	74,000	1,400	2,200	9,500	200
Male	65,700	55,500	1,100	1,700	7,400	100
Female	21,600	18,500	300	500	2,200	100
Social/related scientists, total	153,100	135,000	7,200	5,000	5,600	300
Male	64,300	55,600	3,700	1,800	3,200	100
Female	88,800	79,400	3,500	3,200	2,500	200
Engineers, total	398,000	318,000	7,700	11,600	59,700	1,000
Male	363,100	290,100	6,400	10,700	54,900	1,000
Female	34,900	27,900	1,300	900	4,700	100
Non-S&E occupations, total	1,988,800	1,695,400	120,000	55,300	112,000	6,000
Male	1,186,100	1,026,500	54,900	31,800	68,700	4,200
Female	802,700	668,900	65,100	23,500	43,200	1,900
Managers/administrators	775,900	672,800	40,000	20,400	40,700	1,900
Male	576,800	510,100	22,000	13,700	29,300	1,700
Female	199,100	162,700	18,000	6,700	11,500	200
Other non-S&E occupations	1,212,900	1,022,600	80,000	34,900	71,200	4,100
Male	609,300	516,400	32,800	18,000	39,500	2,500
Female	603,600	506,200	47,100	16,900	31,800	1,600

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

Table D-12. U.S. scientists and engineers, by highest degree attained, broad occupation, sex, and race/ethnicity: 1993

Highest degree, occupation, and sex	S&Es, total	Race/ethnicity				
		White	Black	Hispanic	Asian	Other
Doctorate						
All occupations, total ²	706,100	583,400	22,200	18,800	79,200	2,500
Male	554,300	459,900	14,500	13,200	64,700	2,000
Female	151,800	123,500	7,700	5,500	14,500	600
S&E occupations, total	439,400	360,300	9,400	10,000	58,200	1,500
Male	346,500	283,800	6,700	7,300	47,600	1,100
Female	92,900	76,600	2,700	2,700	10,500	400
Scientists, total	367,100	308,800	8,400	8,600	39,900	1,400
Male	278,100	234,800	5,700	6,000	30,600	1,000
Female	89,000	74,000	2,700	2,600	9,300	400
Computer/math scientists, total	52,400	41,800	1,300	1,400	7,700	200
Male	42,800	34,400	800	1,000	6,400	100
Female	9,500	7,300	400	500	1,300	S
Life/related scientists, total	111,400	91,600	1,700	2,500	15,200	300
Male	83,500	69,800	1,100	1,900	10,600	200
Female	27,900	21,900	600	700	4,600	100
Physical/related scientists, total ...	87,800	72,200	1,200	1,900	12,300	200
Male	77,500	64,500	1,100	1,300	10,400	200
Female	10,200	7,700	100	600	1,900	S
Social/related scientists, total	115,600	103,300	4,200	2,800	4,600	700
Male	74,200	66,100	2,700	1,800	3,100	500
Female	41,400	37,200	1,500	900	1,500	300
Engineers, total	72,300	51,500	1,000	1,400	18,300	100
Male	68,400	49,000	900	1,300	17,100	100
Female	3,900	2,500	100	100	1,200	S
Non-S&E occupations, total	266,700	223,000	12,800	8,800	21,100	1,000
Male	207,900	176,100	7,900	6,000	17,100	800
Female	58,900	46,900	5,000	2,800	4,000	200
Managers/administrators	128,500	110,900	5,300	2,600	9,100	600
Male	107,900	93,700	3,200	2,300	8,100	500
Female	20,700	17,200	2,100	300	1,000	100
Other non-S&E occupations	138,200	112,100	7,500	6,200	12,000	400
Male	100,000	82,400	4,700	3,700	9,000	300
Female	38,200	29,700	2,900	2,500	3,000	100

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.

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)