

Table E-8. Employed U.S. scientists and engineers, by highest degree attained, occupation, race/ethnicity, and primary/secondary work activity : 1995

Highest degree, occupation, and race/ethnicity	Employed S&Es, total	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, admin	Computer applications	Professional services/ other
All degree levels¹						
All occupations, total²	10,114,500	2,901,800	1,459,000	6,035,200	2,156,900	3,498,600
White	8,546,900	2,412,400	1,226,200	5,182,200	1,762,300	2,985,200
Black	527,500	122,400	106,500	309,100	108,800	195,100
Hispanic	328,200	89,900	54,400	186,300	69,700	118,700
Asian	680,400	267,900	65,800	340,700	210,200	187,700
Other	31,500	9,200	6,000	16,900	5,900	11,800
S&E occupations, total	3,185,600	1,809,000	369,400	1,332,700	1,148,400	665,900
White	2,673,700	1,504,700	312,500	1,150,500	939,300	571,300
Black	107,500	53,600	17,200	43,400	43,500	22,600
Hispanic	90,100	50,400	10,500	36,300	33,600	19,100
Asian	304,600	194,400	27,900	98,900	129,800	50,300
Other	9,700	5,900	1,400	3,600	2,200	2,700
Scientists, total	1,846,600	935,600	325,100	668,300	817,600	390,000
White	1,552,600	774,800	277,700	577,000	677,100	340,000
Black	73,200	33,600	15,900	26,100	32,700	16,400
Hispanic	47,900	24,200	8,800	16,600	20,900	10,300
Asian	167,300	100,000	21,400	46,700	85,700	21,800
Other	5,500	2,900	1,300	2,000	1,300	1,600
Computer/math scientists, total	949,500	397,500	101,800	378,400	717,000	91,100
White	784,900	325,600	84,800	320,000	591,900	74,200
Black	39,300	15,200	5,700	16,000	28,900	4,500
Hispanic	22,800	8,900	2,400	8,800	17,800	2,700
Asian	100,200	46,300	8,600	32,700	77,500	9,700
Other	2,300	1,400	300	900	1,000	S
Life/related scientists, total	305,300	213,300	75,300	103,200	28,300	63,700
White	257,200	173,700	65,700	92,100	23,900	57,000
Black	9,700	7,300	3,200	2,300	700	1,400
Hispanic	8,500	6,200	2,000	2,800	1,000	1,200
Asian	29,000	25,700	4,100	5,500	2,500	3,700
Other	900	300	100	400	100	400
Physical/related scientists, total ...	274,300	197,000	48,200	88,000	48,800	52,800
White	232,600	165,700	42,100	76,700	41,600	45,800
Black	7,800	5,400	900	2,700	1,300	1,400
Hispanic	6,800	4,700	1,300	2,100	1,400	1,300
Asian	26,200	20,500	3,700	6,300	4,300	4,200
Other	800	700	200	100	100	200
Social/related scientists, total	317,500	127,800	99,900	98,800	23,600	182,500
White	277,900	109,700	85,100	88,200	19,700	163,000
Black	16,500	5,800	6,100	5,000	1,800	9,100
Hispanic	9,800	4,400	3,100	2,800	600	5,200
Asian	11,800	7,400	5,000	2,100	1,300	4,200
Other	1,500	500	600	600	100	1,000

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

Table E-8. Employed U.S. scientists and engineers, by highest degree attained, occupation, race/ethnicity, and primary/secondary work activity : 1995

Highest degree, occupation, and race/ethnicity	Employed S&Es, total	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, admin	Computer applications	Professional services/ other
All degree levels¹ — continued						
Engineers, total	1,339,000	873,400	44,200	664,400	330,800	275,900
White	1,121,000	730,000	34,800	573,500	262,300	231,300
Black	34,200	19,900	1,200	17,400	10,800	6,300
Hispanic	42,200	26,200	1,700	19,700	12,700	8,700
Asian	137,300	94,400	6,500	52,200	44,200	28,500
Other	4,200	3,000	100	1,600	900	1,100
Non-S&E occupations, total	6,928,900	1,092,800	1,089,600	4,702,500	1,008,500	2,832,600
White	5,873,300	907,700	913,800	4,031,700	823,000	2,414,000
Black	420,000	68,900	89,400	265,700	65,300	172,500
Hispanic	238,100	39,400	44,000	150,000	36,200	99,700
Asian	375,800	73,500	37,900	241,800	80,300	137,400
Other	21,800	3,300	4,700	13,200	3,700	9,200
Managers/administrators	1,963,200	296,100	61,800	1,817,900	271,900	405,300
White	1,696,200	257,100	49,200	1,576,100	230,800	347,300
Black	108,600	14,000	8,000	97,400	14,400	27,500
Hispanic	59,300	8,000	2,300	53,300	8,700	12,700
Asian	93,900	16,300	2,200	86,400	17,000	16,400
Other	5,200	600	200	4,800	1,000	1,400
Other non-S&E occupations	4,965,700	796,700	1,027,800	2,884,600	736,700	2,427,300
White	4,177,000	650,500	864,600	2,455,700	592,200	2,066,700
Black	311,400	54,900	81,400	168,400	50,900	145,000
Hispanic	178,800	31,400	41,700	96,700	27,400	86,900
Asian	281,800	57,200	35,700	155,400	63,300	121,000
Other	16,600	2,700	4,400	8,500	2,700	7,700
Bachelor's						
All occupations, total²	5,926,700	1,637,100	610,600	3,758,000	1,494,300	1,767,600
White	5,024,700	1,389,800	504,800	3,235,400	1,243,700	1,483,400
Black	329,400	80,800	53,000	191,900	83,200	111,800
Hispanic	207,500	53,600	28,500	123,500	51,600	65,800
Asian	345,200	107,100	21,800	195,500	111,200	99,900
Other	19,900	5,800	2,600	11,800	4,500	6,600
S&E occupations, total	1,845,800	1,003,100	95,600	865,700	772,700	347,200
White	1,586,800	865,200	81,700	755,200	655,100	296,300
Black	70,700	34,700	5,700	31,900	32,800	12,600
Hispanic	54,900	29,500	2,500	25,300	23,700	10,200
Asian	127,500	69,600	5,700	51,000	59,600	26,500
Other	5,900	4,100	100	2,200	1,400	1,600
Scientists, total	937,500	430,500	82,200	388,500	548,600	148,100
White	800,800	367,400	70,200	335,900	468,500	125,700
Black	44,300	20,000	5,200	17,800	24,500	7,700
Hispanic	26,400	11,600	2,100	11,300	15,700	3,900
Asian	63,300	29,700	4,700	22,400	39,200	10,300
Other	2,700	1,800	100	1,100	800	500

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

Table E-8. Employed U.S. scientists and engineers, by highest degree attained, occupation, race/ethnicity, and primary/secondary work activity : 1995

Highest degree, occupation, and race/ethnicity	Employed S&Es, total	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, admin	Computer applications	Professional services/ other
Bachelor's — continued						
Computer/math scientists, total	625,500	245,600	39,900	267,000	498,600	57,200
White	531,600	210,200	33,300	227,500	425,300	47,300
Black	28,800	10,400	3,100	13,100	22,400	2,800
Hispanic	17,200	6,400	1,000	7,200	13,900	1,700
Asian	46,400	17,400	2,400	18,500	36,400	5,500
Other	1,500	1,200	S	700	600	S
Life/related scientists, total	122,200	73,900	17,800	50,900	14,500	29,300
White	106,700	61,900	16,400	46,200	12,500	27,000
Black	4,300	3,500	100	1,100	500	500
Hispanic	4,200	2,600	500	2,000	700	600
Asian	6,700	5,800	700	1,500	700	1,100
Other	300	S	S	100	100	100
Physical/related scientists, total ...	128,300	84,200	11,300	48,600	25,500	31,700
White	111,900	73,200	10,000	43,300	22,300	27,500
Black	5,300	3,600	400	1,800	700	1,200
Hispanic	3,000	1,800	200	1,400	800	500
Asian	7,500	5,000	600	2,100	1,600	2,200
Other	500	500	S	S	100	200
Social/related scientists, total	61,500	26,800	13,300	22,000	9,900	29,900
White	50,600	22,000	10,400	19,000	8,300	24,000
Black	5,900	2,500	1,500	1,800	900	3,200
Hispanic	2,100	800	500	800	300	1,100
Asian	2,600	1,400	900	300	400	1,500
Other	300	100	S	200	S	200
Engineers, total	908,300	572,600	13,400	477,200	224,100	199,100
White	786,000	497,800	11,500	419,300	186,700	170,600
Black	26,400	14,700	500	14,100	8,300	5,000
Hispanic	28,500	17,900	400	14,000	8,100	6,300
Asian	64,200	40,000	1,000	28,600	20,500	16,100
Other	3,200	2,300	S	1,100	600	1,000
Non-S&E occupations, total	4,080,900	634,000	515,000	2,892,300	721,600	1,420,400
White	3,438,000	524,600	423,100	2,480,200	588,600	1,187,000
Black	258,700	46,100	47,400	159,900	50,400	99,200
Hispanic	152,600	24,100	26,000	98,200	27,900	55,700
Asian	217,600	37,500	16,100	144,400	51,600	73,400
Other	14,000	1,800	2,500	9,500	3,100	5,100
Managers/administrators	1,095,200	145,300	25,700	1,016,700	171,100	214,700
White	956,700	127,100	19,500	892,600	146,300	186,000
Black	55,700	8,100	3,700	48,800	9,800	13,200
Hispanic	35,500	3,700	1,100	32,000	5,700	7,400
Asian	43,600	6,200	1,300	39,900	8,500	7,200
Other	3,700	300	100	3,400	800	1,000

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

Table E-8. Employed U.S. scientists and engineers, by highest degree attained, occupation, race/ethnicity, and primary/secondary work activity : 1995

Highest degree, occupation, and race/ethnicity	Employed S&Es, total	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, admin	Computer applications	Professional services/ other
Bachelor's — continued						
Other non-S&E occupations	2,985,800	488,600	489,300	1,875,700	550,500	1,205,700
White	2,481,300	397,500	403,600	1,587,700	442,300	1,001,100
Black	203,100	37,900	43,700	111,100	40,600	86,000
Hispanic	117,100	20,400	24,800	66,200	22,200	48,300
Asian	174,000	31,300	14,800	104,600	43,100	66,200
Other	10,300	1,500	2,300	6,100	2,300	4,100
Master's						
All occupations, total²	2,656,800	753,900	500,300	1,559,000	558,100	837,900
White	2,216,900	611,700	429,100	1,318,200	437,500	711,600
Black	137,800	27,500	37,700	83,300	21,900	48,300
Hispanic	75,900	21,900	15,200	44,000	15,400	26,400
Asian	219,300	91,200	16,600	109,900	82,200	48,800
Other	7,000	1,700	1,700	3,600	1,100	2,700
S&E occupations, total	891,600	480,500	106,100	361,600	316,900	221,200
White	724,400	384,600	89,800	304,500	240,800	188,400
Black	25,500	11,700	5,700	8,500	9,500	7,200
Hispanic	23,900	12,500	3,300	8,800	8,500	6,600
Asian	115,500	70,700	6,900	38,900	57,600	18,400
Other	2,200	1,000	400	1,000	500	500
Scientists, total	532,900	241,200	92,800	190,800	224,400	151,600
White	439,000	193,900	79,400	163,600	173,800	133,200
Black	18,700	7,200	5,400	5,400	7,200	6,000
Hispanic	12,200	5,700	2,700	3,500	4,300	4,500
Asian	61,600	33,900	5,000	17,800	38,700	7,300
Other	1,400	500	400	500	400	500
Computer/math scientists, total	267,200	113,600	37,100	101,400	194,000	28,300
White	209,300	86,500	31,800	84,300	148,600	22,100
Black	9,000	3,900	1,800	2,400	5,900	1,600
Hispanic	4,300	1,500	700	1,500	3,300	800
Asian	44,000	21,400	2,600	13,100	35,900	3,700
Other	500	200	200	100	300	S
Life/related scientists, total	63,700	39,900	16,200	23,200	7,800	14,200
White	53,400	32,100	13,500	21,400	6,600	12,700
Black	2,500	1,400	1,400	400	200	600
Hispanic	1,200	1,000	500	300	200	200
Asian	6,300	5,400	700	1,100	900	500
Other	300	100	S	200	S	200
Physical/related scientists, total ...	67,200	46,100	10,400	23,200	13,100	15,000
White	56,100	38,600	9,000	19,300	10,800	13,000
Black	1,100	700	100	700	400	S
Hispanic	2,200	1,500	500	500	500	600
Asian	7,500	5,300	800	2,600	1,400	1,300
Other	200	100	100	100	S	S

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

Table E-8. Employed U.S. scientists and engineers, by highest degree attained, occupation, race/ethnicity, and primary/secondary work activity : 1995

Highest degree, occupation, and race/ethnicity	Employed S&Es, total	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, admin	Computer applications	Professional services/ other
Master's — continued						
Social/related scientists, total	134,900	41,600	29,200	43,000	9,500	94,000
White	120,200	36,800	25,000	38,600	7,900	85,400
Black	6,100	1,200	2,100	2,000	800	3,700
Hispanic	4,400	1,600	1,000	1,300	300	2,800
Asian	3,700	1,800	900	1,000	600	1,800
Other	400	100	100	200	S	300
Engineers, total	358,700	239,300	13,300	170,800	92,500	69,700
White	285,400	190,700	10,400	140,900	66,900	55,200
Black	6,900	4,400	400	3,100	2,300	1,200
Hispanic	11,700	6,800	600	5,300	4,300	2,100
Asian	53,900	36,800	1,900	21,100	18,900	11,100
Other	800	600	S	400	200	S
Non-S&E occupations, total	1,765,200	273,500	394,200	1,197,400	241,100	616,600
White	1,492,500	227,100	339,300	1,013,700	196,700	523,200
Black	112,300	15,800	32,000	74,800	12,500	41,100
Hispanic	51,900	9,300	11,800	35,200	6,900	19,800
Asian	103,800	20,500	9,800	71,100	24,600	30,400
Other	4,800	700	1,300	2,600	500	2,200
Managers/administrators	697,100	101,700	25,200	649,100	89,700	148,800
White	595,100	87,700	20,600	555,300	75,100	125,100
Black	42,100	5,200	3,300	38,700	4,100	11,200
Hispanic	19,500	3,500	800	17,400	2,900	4,600
Asian	39,300	5,100	400	36,600	7,500	7,500
Other	1,100	200	100	1,000	200	300
Other non-S&E occupations	1,068,100	171,700	369,000	548,400	151,500	467,800
White	897,400	139,400	318,700	458,400	121,600	398,100
Black	70,200	10,700	28,700	36,100	8,400	29,900
Hispanic	32,400	5,800	11,100	17,800	4,000	15,100
Asian	64,500	15,400	9,300	34,500	17,100	22,800
Other	3,600	500	1,200	1,600	300	1,900
Doctorate						
All occupations, total ²	689,900	407,900	240,100	260,600	78,900	166,000
White	559,800	322,200	201,300	219,700	58,700	142,800
Black	25,500	10,000	10,700	11,900	2,500	6,700
Hispanic	20,000	10,300	6,600	7,600	2,000	5,100
Asian	82,200	64,100	20,400	20,600	15,400	10,500
Other	2,500	1,300	1,100	800	300	900
S&E occupations, total	417,100	309,000	158,600	95,300	56,500	80,800
White	336,400	241,200	134,000	82,200	41,800	72,100
Black	9,500	6,400	4,700	2,200	900	2,100
Hispanic	10,200	7,900	4,200	2,000	1,200	1,800
Asian	59,500	52,800	14,900	8,500	12,400	4,400
Other	1,500	800	800	400	200	500

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

Table E-8. Employed U.S. scientists and engineers, by highest degree attained, occupation, race/ethnicity, and primary/secondary work activity : 1995

Highest degree, occupation, and race/ethnicity	Employed S&Es, total	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, admin	Computer applications	Professional services/ other
Doctorate — continued						
Scientists, total	347,500	249,200	141,200	80,300	42,900	74,500
White	288,700	201,200	121,100	70,200	33,500	67,200
Black	8,500	5,600	4,300	2,100	700	2,100
Hispanic	8,500	6,500	3,600	1,600	1,000	1,700
Asian	40,400	35,200	11,300	6,000	7,500	3,100
Other	1,400	700	700	400	200	500
Computer/math scientists, total	53,700	37,200	24,600	9,000	22,900	4,700
White	41,500	28,000	19,600	7,500	17,000	3,900
Black	1,100	700	700	300	300	100
Hispanic	1,300	1,000	700	100	500	100
Asian	9,600	7,400	3,500	1,100	5,000	500
Other	200	100	100	100	100	S
Life/related scientists, total	102,300	89,000	35,100	24,700	5,800	10,800
White	83,300	71,400	31,100	21,000	4,700	9,500
Black	1,900	1,600	900	400	100	100
Hispanic	2,500	2,300	700	600	200	200
Asian	14,300	13,400	2,300	2,600	900	1,000
Other	200	200	S	100	S	S
Physical/related scientists, total ...	78,700	66,500	26,500	16,200	10,100	6,100
White	64,500	53,800	23,000	14,100	8,400	5,200
Black	1,400	1,100	500	300	200	100
Hispanic	1,600	1,300	600	200	200	100
Asian	11,200	10,200	2,300	1,500	1,300	600
Other	200	100	100	S	100	S
Social/related scientists, total	112,800	56,500	54,900	30,400	4,100	52,900
White	99,500	48,100	47,400	27,600	3,500	48,500
Black	4,100	2,200	2,200	1,000	100	1,800
Hispanic	3,100	1,800	1,600	600	100	1,200
Asian	5,400	4,200	3,200	900	300	900
Other	800	300	500	200	S	400
Engineers, total	69,600	59,800	17,500	15,000	13,600	6,300
White	47,600	40,000	12,800	11,900	8,200	4,900
Black	1,000	800	400	200	300	S
Hispanic	1,700	1,400	600	400	200	100
Asian	19,100	17,500	3,600	2,500	4,800	1,300
Other	200	100	100	S	S	S
Non-S&E occupations, total	272,800	98,800	81,500	165,300	22,300	85,100
White	223,400	81,100	67,300	137,600	16,900	70,700
Black	16,000	3,600	6,000	9,600	1,500	4,600
Hispanic	9,800	2,400	2,400	5,700	800	3,400
Asian	22,600	11,300	5,500	12,100	3,000	6,100
Other	900	500	300	400	100	400

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

Table E-8. Employed U.S. scientists and engineers, by highest degree attained, occupation, race/ethnicity, and primary/secondary work activity : 1995

Highest degree, occupation, and race/ethnicity	Employed S&Es, total	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, admin	Computer applications	Professional services/ other
Doctorate — continued						
Managers/administrators	119,400	43,200	9,000	108,000	8,200	20,400
White	99,200	36,600	7,400	90,000	6,600	16,900
Black	7,300	700	800	6,500	500	1,900
Hispanic	2,800	700	200	2,500	100	400
Asian	9,900	5,100	500	8,700	1,000	1,100
Other	300	100	S	300	S	100
Other non-S&E occupations	153,300	55,600	72,500	57,300	14,100	64,700
White	124,300	44,500	59,900	47,500	10,300	53,800
Black	8,700	2,900	5,200	3,200	1,000	2,700
Hispanic	7,000	1,700	2,200	3,200	700	2,900
Asian	12,700	6,200	5,000	3,300	2,000	5,000
Other	700	400	300	100	100	300

- 1 Includes professional degrees
- 2 Total excludes 49,100 individuals who reported never having worked.

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 or 1995 SESTAT surveys. Figures are rounded to nearest hundred. Details may not add to total because of rounding. Sum of primary/secondary work activity categories exceeds total because of multiple responses.

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

SOURCE: National Science Foundation/Science Resources Studies Division, 1995 SESTAT (Scientists and Engineers Statistical Data System)