

**Table C-7. Employed U.S. scientists and engineers, by level and broad field of highest degree attained, race/ethnicity, and primary/secondary work activity : 1993**

Level and field of highest degree, and race/ethnicity	Employed S&Es, total	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, admin	Computer applications	Professional services/ other
<b>All degree levels<sup>1</sup></b>						
<b>All degree fields, total</b> .....	9,793,500	2,919,600	1,462,800	5,625,100	2,072,300	3,366,800
White .....	8,303,300	2,411,500	1,235,200	4,862,900	1,695,500	2,892,400
Black .....	503,100	129,300	103,200	283,100	103,400	170,700
Hispanic .....	306,800	96,600	50,300	161,900	63,700	111,200
Asian .....	650,800	272,400	68,300	301,700	204,800	180,600
Other .....	29,600	9,800	5,700	15,600	4,900	11,900
<b>S&amp;E degree fields, total</b> .....	7,035,800	2,348,600	951,300	4,024,500	1,603,400	2,037,300
White .....	5,905,800	1,929,700	797,000	3,454,900	1,297,300	1,722,700
Black .....	357,200	96,900	69,000	199,300	77,000	111,300
Hispanic .....	228,400	76,500	33,800	123,400	50,000	72,000
Asian .....	523,400	238,200	48,100	235,700	175,300	123,600
Other .....	21,000	7,300	3,400	11,200	3,700	7,700
<b>Sciences, total</b> .....	5,202,100	1,411,700	878,400	2,986,800	1,141,500	1,621,100
White .....	4,385,200	1,163,500	739,700	2,559,200	937,600	1,375,900
Black .....	314,800	75,600	65,300	176,200	65,400	102,600
Hispanic .....	165,600	44,400	30,700	91,900	32,000	56,500
Asian .....	319,500	123,300	39,700	149,900	103,900	79,700
Other .....	17,000	4,900	3,000	9,600	2,600	6,300
<b>Computer/math sciences, total</b> .....	918,000	296,600	132,500	451,100	519,100	136,300
White .....	744,600	233,300	112,100	372,100	414,000	109,500
Black .....	54,200	17,300	9,500	25,000	29,500	9,800
Hispanic .....	24,900	7,600	2,800	13,600	13,600	3,900
Asian .....	91,600	37,100	8,000	39,100	60,700	12,300
Other .....	2,800	1,300	100	1,300	1,300	800
<b>Life/related sciences, total</b> .....	1,073,100	369,100	194,300	570,000	133,600	384,600
White .....	914,100	305,500	164,800	498,200	111,900	330,800
Black .....	48,500	16,800	11,800	24,600	7,000	14,900
Hispanic .....	35,100	12,300	6,500	18,100	3,400	13,000
Asian .....	71,900	33,600	10,500	27,000	11,000	24,700
Other .....	3,600	1,000	800	2,000	400	1,100
<b>Physical/related sciences, total</b> .....	599,800	295,000	82,200	286,600	118,900	142,600
White .....	506,300	246,700	70,400	246,800	101,000	119,100
Black .....	20,700	10,000	3,400	9,700	3,600	5,800
Hispanic .....	15,200	6,700	2,000	7,700	2,500	4,600
Asian .....	55,300	30,700	6,200	21,100	11,500	12,300
Other .....	2,200	900	300	1,300	400	800
<b>Social/related sciences, total</b> .....	2,611,200	451,000	469,300	1,679,000	369,900	957,700
White .....	2,220,200	378,000	392,500	1,442,000	310,700	816,500
Black .....	191,500	31,500	40,600	116,800	25,400	72,100
Hispanic .....	90,400	17,800	19,400	52,400	12,500	35,100
Asian .....	100,700	22,000	15,000	62,600	20,700	30,400
Other .....	8,400	1,700	1,800	5,000	600	3,700

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

**Table C-7. Employed U.S. scientists and engineers, by level and broad field of highest degree attained, race/ethnicity, and primary/secondary work activity : 1993**

Level and field of highest degree, and race/ethnicity	Employed S&Es, total	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, admin	Computer applications	Professional services/ other
<b>All degree levels<sup>1</sup> — continued</b>						
<b>Engineering, total</b> .....	1,833,700	936,900	72,900	1,037,700	461,900	416,100
White .....	1,520,600	766,200	57,300	895,800	359,700	346,800
Black .....	42,400	21,200	3,800	23,100	11,600	8,700
Hispanic .....	62,800	32,100	3,100	31,500	18,000	15,400
Asian .....	203,900	114,900	8,400	85,800	71,400	43,900
Other .....	4,000	2,400	400	1,600	1,100	1,400
<b>Non-S&amp;E degree fields, total</b> .....	2,757,700	571,100	511,500	1,600,600	468,900	1,329,600
White .....	2,397,500	481,800	438,200	1,408,000	398,100	1,169,700
Black .....	145,900	32,400	34,100	83,700	26,400	59,400
Hispanic .....	78,300	20,100	16,600	38,500	13,700	39,300
Asian .....	127,400	34,100	20,300	66,000	29,500	57,000
Other .....	8,600	2,500	2,300	4,400	1,100	4,200
<b>Bachelor's</b>						
<b>All degree fields, total</b> .....	5,727,200	1,666,500	607,800	3,463,100	1,460,400	1,704,900
White .....	4,866,300	1,409,600	502,300	2,988,400	1,218,800	1,440,900
Black .....	320,100	83,600	52,800	183,400	79,100	99,600
Hispanic .....	191,500	58,400	25,600	107,900	46,700	60,600
Asian .....	330,900	109,100	24,400	173,300	112,100	96,500
Other .....	18,400	5,800	2,600	10,100	3,800	7,300
<b>S&amp;E degree fields, total</b> .....	5,172,600	1,473,000	549,500	3,171,900	1,217,000	1,559,000
White .....	4,388,400	1,241,100	453,300	2,734,900	1,008,100	1,315,900
Black .....	290,700	74,200	49,600	167,400	66,000	92,400
Hispanic .....	177,300	53,100	23,800	101,400	40,600	56,600
Asian .....	300,800	100,000	21,000	159,200	99,300	87,900
Other .....	15,600	4,600	1,900	9,000	3,000	6,300
<b>Sciences, total</b> .....	3,814,400	830,400	510,000	2,366,200	886,700	1,219,700
White .....	3,228,300	693,100	421,400	2,028,300	739,300	1,030,200
Black .....	255,200	57,200	46,600	147,900	56,000	84,400
Hispanic .....	128,400	29,300	21,600	75,400	26,800	44,500
Asian .....	189,700	48,000	18,600	106,800	62,200	55,600
Other .....	12,700	2,900	1,800	7,800	2,300	4,900
<b>Computer/math sciences, total</b> .....	663,800	193,500	69,400	344,000	389,900	106,000
White .....	546,100	157,500	58,300	284,800	318,500	85,800
Black .....	45,500	14,000	6,200	21,600	25,200	9,000
Hispanic .....	20,600	5,700	1,900	11,600	12,000	3,300
Asian .....	49,600	15,500	2,900	25,000	33,000	7,300
Other .....	2,100	800	100	1,100	1,100	600
<b>Life/related sciences, total</b> .....	773,600	202,200	107,800	452,100	106,800	312,200
White .....	667,400	171,800	89,700	396,700	90,500	270,700
Black .....	38,500	11,600	7,800	20,600	5,800	12,800
Hispanic .....	26,000	7,400	4,700	14,700	3,000	10,500
Asian .....	39,100	10,900	5,200	18,400	7,200	17,200
Other .....	2,600	500	400	1,700	300	900

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

**Table C-7. Employed U.S. scientists and engineers, by level and broad field of highest degree attained, race/ethnicity, and primary/secondary work activity : 1993**

Level and field of highest degree, and race/ethnicity	Employed S&Es, total	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, admin	Computer applications	Professional services/ other
<b>Bachelor's — continued</b>						
<b>Physical/related sciences, total</b> .....	372,500	144,300	35,900	202,500	76,600	111,800
White .....	318,700	123,800	30,400	174,900	65,400	94,200
Black .....	16,000	7,500	1,800	8,100	2,700	5,100
Hispanic .....	10,200	3,700	1,100	5,700	1,800	3,400
Asian .....	26,100	8,800	2,400	12,800	6,300	8,500
Other .....	1,600	600	100	1,000	300	600
<b>Social/related sciences, total</b> .....	2,004,400	290,500	296,900	1,367,500	313,500	689,700
White .....	1,696,100	240,000	243,100	1,171,900	265,000	579,400
Black .....	155,300	24,100	30,700	97,500	22,300	57,600
Hispanic .....	71,700	12,500	13,900	43,500	10,000	27,300
Asian .....	75,000	12,700	8,000	50,600	15,600	22,700
Other .....	6,300	1,100	1,300	4,000	600	2,800
<b>Engineering, total</b> .....	1,358,300	642,600	39,500	805,700	330,400	339,400
White .....	1,160,100	548,000	31,900	706,600	268,800	285,700
Black .....	35,500	16,900	3,000	19,500	9,900	8,000
Hispanic .....	48,800	23,900	2,200	26,000	13,800	12,100
Asian .....	111,100	52,100	2,400	52,400	37,200	32,300
Other .....	2,900	1,700	100	1,200	700	1,400
<b>Non-S&amp;E degree fields, total</b> .....	554,500	193,500	58,200	291,300	243,400	145,900
White .....	477,900	168,500	49,000	253,500	210,600	125,000
Black .....	29,400	9,500	3,200	16,000	13,100	7,300
Hispanic .....	14,300	5,200	1,900	6,500	6,100	4,000
Asian .....	30,100	9,100	3,500	14,100	12,800	8,600
Other .....	2,800	1,200	700	1,100	700	1,100
<b>Master's</b>						
<b>All degree fields, total</b> .....	2,575,600	766,400	521,900	1,475,300	520,800	757,100
White .....	2,155,400	609,400	450,200	1,264,500	405,900	647,100
Black .....	129,400	31,200	36,600	73,800	20,700	37,900
Hispanic .....	73,100	23,900	14,700	37,200	14,500	24,200
Asian .....	210,700	99,400	18,800	96,400	78,900	45,400
Other .....	7,000	2,600	1,600	3,500	900	2,500
<b>S&amp;E degree fields, total</b> .....	1,328,400	529,400	230,400	664,600	326,200	364,800
White .....	1,078,900	412,200	197,300	558,400	242,500	309,300
Black .....	54,900	16,300	14,700	27,800	10,300	15,800
Hispanic .....	37,000	14,900	5,800	17,300	8,100	11,600
Asian .....	154,000	84,400	12,000	59,700	64,700	27,000
Other .....	3,600	1,600	700	1,500	600	1,000
<b>Sciences, total</b> .....	937,700	298,500	216,800	462,200	211,500	296,000
White .....	778,600	238,000	187,100	392,300	162,700	254,000
Black .....	49,000	12,600	14,300	24,600	8,800	15,300
Hispanic .....	24,900	7,900	5,400	12,400	4,400	8,600
Asian .....	82,500	39,000	9,500	31,800	35,500	17,100
Other .....	2,700	1,100	400	1,200	200	1,000

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

**Table C-7. Employed U.S. scientists and engineers, by level and broad field of highest degree attained, race/ethnicity, and primary/secondary work activity : 1993**

Level and field of highest degree, and race/ethnicity	Employed S&Es, total	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, admin	Computer applications	Professional services/ other
<b>Master's — continued</b>						
<b>Computer/math sciences, total</b> .....	221,400	81,000	45,300	99,200	120,500	27,600
White .....	172,600	58,900	39,500	80,600	88,900	21,600
Black .....	8,300	3,100	3,000	3,300	4,200	800
Hispanic .....	3,500	1,300	400	1,900	1,400	600
Asian .....	36,400	17,200	2,400	13,100	25,900	4,500
Other .....	600	500	S	200	100	200
<b>Life/related sciences, total</b> .....	151,000	62,600	42,900	67,100	18,100	42,400
White .....	125,600	48,700	37,000	58,200	14,200	36,500
Black .....	6,800	3,300	3,000	2,900	1,000	1,300
Hispanic .....	3,700	1,600	900	1,700	200	800
Asian .....	14,400	8,800	1,800	4,200	2,700	3,700
Other .....	600	200	300	100	S	100
<b>Physical/related sciences, total</b> .....	111,300	63,400	19,100	44,600	25,700	19,700
White .....	92,800	52,800	16,400	37,700	21,900	15,300
Black .....	3,200	1,500	1,100	1,300	700	700
Hispanic .....	2,900	1,600	300	1,300	400	900
Asian .....	12,200	7,400	1,400	4,300	2,600	2,600
Other .....	300	100	S	100	100	100
<b>Social/related sciences, total</b> .....	453,900	91,500	109,400	251,300	47,200	206,300
White .....	387,700	77,600	94,300	215,800	37,700	180,600
Black .....	30,700	4,800	7,300	17,200	2,900	12,600
Hispanic .....	14,800	3,300	3,800	7,500	2,300	6,300
Asian .....	19,500	5,500	3,900	10,200	4,300	6,300
Other .....	1,300	200	100	700	S	600
<b>Engineering, total</b> .....	390,700	230,800	13,600	202,400	114,700	68,700
White .....	300,300	174,300	10,100	166,100	79,800	55,300
Black .....	5,900	3,600	400	3,200	1,500	500
Hispanic .....	12,100	7,000	400	4,900	3,800	3,000
Asian .....	71,600	45,400	2,500	27,900	29,300	9,900
Other .....	900	500	200	300	400	S
<b>Non-S&amp;E degree fields, total</b> .....	1,247,100	237,000	291,400	810,700	194,600	392,400
White .....	1,076,600	197,100	252,900	706,100	163,400	337,800
Black .....	74,500	14,900	21,900	46,100	10,400	22,000
Hispanic .....	36,000	9,100	8,800	19,900	6,300	12,700
Asian .....	56,700	15,100	6,800	36,700	14,100	18,400
Other .....	3,400	900	900	2,000	300	1,500
<b>Doctorate</b>						
<b>All degree fields, total</b> .....	634,800	382,100	216,800	237,700	70,400	142,200
White .....	520,800	304,400	182,900	204,100	53,800	123,200
Black .....	20,500	9,200	8,900	8,600	2,300	4,700
Hispanic .....	16,800	9,500	5,800	5,500	1,700	4,400
Asian .....	74,300	57,700	18,100	18,300	12,400	9,400
Other .....	2,400	1,300	1,100	1,200	200	500

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

**Table C-7. Employed U.S. scientists and engineers, by level and broad field of highest degree attained, race/ethnicity, and primary/secondary work activity : 1993**

Level and field of highest degree, and race/ethnicity	Employed S&Es, total	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, admin	Computer applications	Professional services/ other
<b>Doctorate — continued</b>						
<b>S&amp;E degree fields, total</b> .....	529,200	345,000	170,400	186,200	59,500	109,100
White .....	433,700	275,400	145,600	160,100	46,100	93,600
Black .....	11,300	6,400	4,700	4,100	700	2,800
Hispanic .....	13,900	8,300	4,100	4,500	1,300	3,600
Asian .....	68,500	53,800	15,100	16,700	11,300	8,600
Other .....	1,800	1,000	800	700	100	400
<b>Sciences, total</b> .....	444,500	281,500	150,600	156,600	42,600	101,000
White .....	373,600	231,500	130,400	137,000	34,900	87,800
Black .....	10,200	5,700	4,200	3,700	600	2,600
Hispanic .....	12,000	7,100	3,700	4,000	800	3,300
Asian .....	47,200	36,400	11,600	11,200	6,300	6,900
Other .....	1,600	900	700	700	100	400
<b>Computer/math sciences, total</b> .....	32,800	22,100	17,800	7,900	8,700	2,700
White .....	26,000	16,900	14,300	6,700	6,700	2,100
Black .....	400	300	300	100	100	100
Hispanic .....	800	600	500	100	200	S
Asian .....	5,600	4,300	2,600	1,000	1,800	500
Other .....	100	S	S	S	S	S
<b>Life/related sciences, total</b> .....	148,500	104,300	43,700	50,800	8,700	30,000
White .....	121,100	85,000	38,100	43,300	7,200	23,600
Black .....	3,100	1,900	1,000	1,200	200	800
Hispanic .....	5,400	3,200	1,000	1,700	200	1,700
Asian .....	18,400	13,900	3,500	4,400	1,100	3,800
Other .....	400	300	100	200	S	100
<b>Physical/related sciences, total</b> .....	115,900	87,200	27,200	39,500	16,700	11,100
White .....	94,900	70,100	23,700	34,300	13,700	9,500
Black .....	1,500	1,100	400	300	100	100
Hispanic .....	2,100	1,400	600	700	200	300
Asian .....	17,100	14,500	2,400	4,100	2,600	1,200
Other .....	300	200	200	100	S	S
<b>Social/related sciences, total</b> .....	147,300	67,800	62,000	58,300	8,500	57,300
White .....	131,600	59,500	54,300	52,700	7,300	52,600
Black .....	5,200	2,500	2,500	2,100	200	1,700
Hispanic .....	3,700	1,800	1,600	1,400	200	1,300
Asian .....	6,100	3,700	3,100	1,800	700	1,400
Other .....	800	400	400	300	S	300
<b>Engineering, total</b> .....	84,700	63,400	19,800	29,700	16,800	8,000
White .....	60,200	43,900	15,300	23,100	11,100	5,800
Black .....	1,100	700	500	400	100	200
Hispanic .....	1,900	1,200	500	600	500	300
Asian .....	21,300	17,500	3,500	5,500	5,000	1,700
Other .....	200	100	100	100	S	S

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**Table C-7. Employed U.S. scientists and engineers, by level and broad field of highest degree attained, race/ethnicity, and primary/secondary work activity : 1993**

Level and field of highest degree, and race/ethnicity	Employed S&Es, total	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, admin	Computer applications	Professional services/ other
<b>Doctorate — continued</b>						
<b>Non-S&amp;E degree fields, total</b> .....	105,600	37,100	46,400	51,500	11,000	33,100
White .....	87,000	29,100	37,200	44,000	7,700	29,600
Black .....	9,200	2,800	4,200	4,400	1,600	1,900
Hispanic .....	3,000	1,200	1,700	1,000	400	800
Asian .....	5,800	3,800	3,000	1,600	1,200	800
Other .....	600	200	400	500	100	S

<sup>1</sup> Includes professional degrees

**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.  
 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, 1993 SESTAT (Scientists and Engineers Statistical Data System)