

Table C-4. Employed U.S. scientists and engineers, by level and field of highest degree attained, race/ethnicity, and employment sector: 1995

Level and field of highest degree, and race/ethnicity	Employed S&Es, total	Sector of employment			
		Business/industry	4-yr. College/university	Other educational institution	Government
All degree levels¹					
All degree fields, total	10,114,500	6,893,100	876,700	960,600	1,384,100
White	8,546,900	5,942,200	704,400	801,500	1,098,800
Black	527,500	253,300	48,200	87,700	138,300
Hispanic	328,200	197,400	31,300	40,300	59,200
Asian	680,400	483,100	89,600	27,000	80,700
Other	31,500	17,100	3,200	4,100	7,200
S&E degree fields, total	7,333,100	5,040,400	644,200	606,700	1,041,700
White	6,136,200	4,294,300	513,300	504,700	823,900
Black	372,800	185,200	32,300	54,100	101,300
Hispanic	248,600	153,400	22,100	28,100	45,000
Asian	552,500	394,500	74,100	17,500	66,300
Other	22,900	13,000	2,400	2,400	5,200
Sciences, total	5,476,100	3,542,900	558,900	583,600	790,800
White	4,613,200	3,046,800	451,900	486,100	628,300
Black	327,300	155,100	29,600	52,800	89,700
Hispanic	182,900	103,400	19,600	26,800	33,100
Asian	334,200	228,100	55,700	15,500	35,000
Other	18,400	9,500	2,100	2,400	4,600
Computer/math sciences, total	955,400	710,500	67,700	90,800	86,400
White	772,700	576,500	54,000	76,300	65,900
Black	54,900	31,500	3,400	9,300	10,700
Hispanic	26,100	18,900	1,700	2,600	2,900
Asian	98,700	81,600	8,300	2,400	6,300
Other	3,100	2,000	300	200	600
Life/related sciences, total	1,127,800	679,700	187,900	106,000	154,200
White	963,700	593,100	152,200	89,600	128,900
Black	49,800	24,000	7,600	8,000	10,100
Hispanic	35,500	20,200	5,400	3,400	6,500
Asian	75,200	40,600	22,200	4,600	7,800
Other	3,700	1,700	500	400	1,000
Physical/related sciences, total	605,200	399,500	91,100	37,700	76,900
White	513,800	341,500	74,000	32,900	65,400
Black	20,300	12,600	2,000	2,100	3,600
Hispanic	15,600	9,300	3,200	900	2,200
Asian	53,100	34,300	11,700	1,700	5,400
Other	2,400	1,700	200	200	300
Social/related sciences, total	2,787,700	1,753,200	212,200	349,000	473,300
White	2,363,000	1,535,700	171,700	287,400	368,200
Black	202,400	87,000	16,600	33,400	65,400
Hispanic	105,800	55,000	9,300	19,800	21,500
Asian	107,200	71,500	13,400	6,800	15,500
Other	9,300	4,000	1,100	1,500	2,700

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

Table C-4. Employed U.S. scientists and engineers, by level and field of highest degree attained, race/ethnicity, and employment sector: 1995

Level and field of highest degree, and race/ethnicity	Employed S&Es, total	Sector of employment			
		Business/industry	4-yr. College/university	Other educational institution	Government
All degree levels¹ — continued					
Engineering, total	1,856,900	1,497,500	85,400	23,100	250,900
White	1,523,100	1,247,500	61,500	18,600	195,500
Black	45,500	30,100	2,600	1,200	11,500
Hispanic	65,600	50,000	2,500	1,300	11,900
Asian	218,200	166,500	18,500	2,000	31,300
Other	4,500	3,500	300	S	600
Non-S&E degree fields, total	2,781,400	1,852,700	232,500	353,900	342,400
White	2,410,700	1,647,900	191,000	296,800	274,900
Black	154,700	68,100	15,900	33,600	37,000
Hispanic	79,600	44,000	9,200	12,300	14,100
Asian	127,900	88,500	15,500	9,500	14,400
Other	8,600	4,100	800	1,700	2,000
Bachelor's					
All degree fields, total	5,926,700	4,368,700	288,700	421,100	848,300
White	5,024,700	3,789,000	228,900	343,600	663,200
Black	329,400	176,800	20,300	39,900	92,400
Hispanic	207,500	133,300	13,000	21,700	39,500
Asian	345,200	257,600	25,600	13,800	48,100
Other	19,900	12,000	900	2,100	5,000
S&E degree fields, total	5,408,600	3,960,100	266,200	396,600	785,600
White	4,577,700	3,430,400	210,100	324,400	612,700
Black	301,500	158,500	19,600	37,700	85,600
Hispanic	193,600	123,700	11,600	20,900	37,400
Asian	318,500	236,600	24,000	12,100	45,800
Other	17,400	10,800	900	1,500	4,100
Sciences, total	4,047,800	2,838,000	235,200	379,900	594,800
White	3,426,800	2,465,800	186,200	311,100	463,800
Black	263,700	133,300	18,300	36,500	75,600
Hispanic	143,900	85,500	10,400	20,000	28,100
Asian	199,400	145,500	19,500	10,800	23,700
Other	13,900	7,900	900	1,500	3,700
Computer/math sciences, total	687,700	541,800	25,600	56,400	63,900
White	566,400	451,900	21,000	46,600	46,900
Black	44,800	27,200	1,800	6,300	9,600
Hispanic	21,400	16,100	800	1,900	2,700
Asian	52,300	44,700	1,800	1,300	4,400
Other	2,600	1,800	200	200	400
Life/related sciences, total	820,200	555,700	79,600	74,400	110,500
White	710,300	490,600	64,700	62,800	92,100
Black	39,100	20,900	4,500	5,800	7,900
Hispanic	26,400	15,900	2,500	2,500	5,500
Asian	41,900	26,800	7,700	3,100	4,300
Other	2,600	1,400	100	200	800

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

Table C-4. Employed U.S. scientists and engineers, by level and field of highest degree attained, race/ethnicity, and employment sector: 1995

Level and field of highest degree, and race/ethnicity	Employed S&Es, total	Sector of employment			
		Business/industry	4-yr. College/university	Other educational institution	Government
Bachelor's — continued					
Physical/related sciences, total	374,500	273,300	30,700	21,600	48,800
White	322,400	238,100	25,200	18,500	40,700
Black	15,500	10,500	900	1,200	3,000
Hispanic	11,100	6,700	1,900	600	1,900
Asian	23,700	16,600	2,800	1,100	3,100
Other	1,800	1,400	100	100	200
Social/related sciences, total	2,165,400	1,467,200	99,300	227,500	371,400
White	1,827,600	1,285,100	75,300	183,100	284,200
Black	164,300	74,800	11,100	23,200	55,200
Hispanic	85,000	46,700	5,200	15,000	18,100
Asian	81,500	57,300	7,100	5,200	11,800
Other	7,000	3,200	500	1,000	2,200
Engineering, total	1,360,800	1,122,200	31,000	16,800	190,900
White	1,150,900	964,600	24,000	13,400	148,900
Black	37,700	25,200	1,300	1,100	10,000
Hispanic	49,700	38,200	1,200	900	9,400
Asian	119,100	91,100	4,500	1,400	22,100
Other	3,400	2,900	S	S	500
Non-S&E degree fields, total	518,200	408,600	22,500	24,400	62,600
White	447,100	358,600	18,700	19,200	50,500
Black	28,000	18,200	700	2,200	6,800
Hispanic	14,000	9,600	1,500	800	2,100
Asian	26,600	21,000	1,600	1,700	2,300
Other	2,600	1,200	S	600	900
Master's					
All degree fields, total	2,656,800	1,610,700	204,600	464,000	377,500
White	2,216,900	1,356,400	162,400	394,500	303,600
Black	137,800	49,000	12,100	41,500	35,200
Hispanic	75,900	40,100	6,000	16,200	13,600
Asian	219,300	162,300	23,600	9,900	23,400
Other	7,000	2,900	600	1,800	1,700
S&E degree fields, total	1,359,300	840,600	127,600	189,300	201,700
White	1,100,400	676,300	97,100	162,300	164,600
Black	58,100	22,200	6,000	15,600	14,300
Hispanic	38,900	22,700	3,400	6,600	6,200
Asian	158,300	117,900	20,600	4,000	15,800
Other	3,600	1,500	500	800	800
Sciences, total	953,500	519,500	102,200	184,000	147,800
White	790,400	428,900	80,700	157,900	122,800
Black	51,500	17,900	5,300	15,500	12,800
Hispanic	25,400	12,400	2,900	6,200	3,900
Asian	83,500	59,400	12,900	3,600	7,600
Other	2,700	1,000	300	800	700

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

Table C-4. Employed U.S. scientists and engineers, by level and field of highest degree attained, race/ethnicity, and employment sector: 1995

Level and field of highest degree, and race/ethnicity	Employed S&Es, total	Sector of employment			
		Business/industry	4-yr. College/university	Other educational institution	Government
Master's — continued					
Computer/math sciences, total	230,700	156,000	21,200	33,100	20,500
White	177,500	115,100	16,300	28,800	17,400
Black	9,200	3,800	1,300	2,900	1,100
Hispanic	3,500	2,500	100	600	200
Asian	40,200	34,300	3,400	700	1,600
Other	400	200	100	S	200
Life/related sciences, total	149,400	70,600	25,000	27,300	26,500
White	124,600	60,500	18,800	22,900	22,300
Black	7,100	2,000	1,200	2,100	1,700
Hispanic	3,600	1,700	500	800	600
Asian	13,400	6,200	4,400	1,100	1,800
Other	700	200	100	300	100
Physical/related sciences, total	112,200	66,600	15,200	13,200	17,300
White	94,700	55,800	11,900	11,800	15,200
Black	3,200	1,600	300	800	500
Hispanic	2,300	1,600	300	200	200
Asian	11,700	7,300	2,700	400	1,400
Other	300	200	S	S	100
Social/related sciences, total	461,100	226,500	40,800	110,500	83,500
White	393,600	197,400	33,800	94,500	68,000
Black	32,100	10,500	2,500	9,700	9,500
Hispanic	16,000	6,600	2,000	4,500	2,900
Asian	18,200	11,600	2,400	1,400	2,800
Other	1,300	400	100	400	300
Engineering, total	405,800	321,100	25,400	5,300	53,900
White	310,000	247,500	16,400	4,400	41,800
Black	6,600	4,300	800	100	1,500
Hispanic	13,500	10,300	500	400	2,400
Asian	74,800	58,500	7,600	500	8,200
Other	900	500	200	S	200
Non-S&E degree fields, total	1,297,500	770,100	77,000	274,600	175,800
White	1,116,500	680,100	65,200	232,200	139,000
Black	79,700	26,800	6,000	25,900	21,000
Hispanic	37,000	17,400	2,600	9,600	7,300
Asian	61,000	44,400	3,100	5,900	7,600
Other	3,300	1,400	100	1,100	800
Doctorate					
All degree fields, total	689,900	278,600	294,700	54,100	62,600
White	559,800	222,000	240,400	44,500	52,900
Black	25,500	5,600	11,600	5,400	2,900
Hispanic	20,000	8,000	8,600	1,800	1,600
Asian	82,200	42,100	32,900	2,200	5,000
Other	2,500	900	1,200	200	200

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

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Level and field of highest degree, and race/ethnicity	Employed S&Es, total	Sector of employment			
		Business/industry	4-yr. College/university	Other educational institution	Government
Doctorate — continued					
S&E degree fields, total	557,400	236,000	248,900	19,000	53,500
White	451,200	184,100	204,800	16,200	46,000
Black	13,000	4,200	6,600	800	1,400
Hispanic	15,900	7,000	7,000	600	1,300
Asian	75,300	40,000	29,500	1,300	4,600
Other	1,900	600	1,000	100	200
Sciences, total	467,000	181,700	220,000	17,900	47,400
White	389,000	148,800	183,700	15,400	41,200
Black	11,900	3,700	6,100	800	1,300
Hispanic	13,400	5,500	6,200	600	1,100
Asian	51,000	23,200	23,100	1,100	3,600
Other	1,700	600	800	100	200
Computer/math sciences, total	36,900	12,700	21,000	1,400	1,900
White	28,700	9,400	16,700	900	1,700
Black	900	500	300	100	S
Hispanic	1,100	200	800	100	S
Asian	6,200	2,600	3,100	400	200
Other	100	S	100	S	S
Life/related sciences, total	157,200	52,900	83,000	4,400	16,900
White	127,900	41,400	68,500	3,800	14,200
Black	3,600	1,100	1,900	100	500
Hispanic	5,500	2,600	2,400	100	400
Asian	19,700	7,700	9,900	400	1,700
Other	500	100	200	S	100
Physical/related sciences, total	118,100	59,300	45,000	3,000	10,800
White	96,300	47,300	36,800	2,600	9,600
Black	1,600	600	800	100	100
Hispanic	2,200	900	1,100	100	200
Asian	17,700	10,400	6,200	200	900
Other	300	100	100	S	S
Social/related sciences, total	154,800	56,700	71,000	9,200	17,800
White	136,100	50,600	61,700	8,100	15,800
Black	5,800	1,600	3,000	600	700
Hispanic	4,500	1,700	2,000	300	400
Asian	7,300	2,500	3,900	200	700
Other	900	300	500	100	100
Engineering, total	90,300	54,200	28,900	1,000	6,100
White	62,200	35,400	21,100	800	4,900
Black	1,200	600	500	S	100
Hispanic	2,500	1,400	800	S	200
Asian	24,300	16,800	6,300	200	1,000
Other	200	100	100	S	S

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

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Level and field of highest degree, and race/ethnicity	Employed S&Es, total	Sector of employment			
		Business/ industry	4-yr. College/ university	Other educational institution	Government
Doctorate — continued					
Non-S&E degree fields, total	132,600	42,600	45,700	35,100	9,100
White	108,600	37,900	35,600	28,200	6,900
Black	12,500	1,400	5,000	4,700	1,500
Hispanic	4,100	1,000	1,500	1,200	300
Asian	6,900	2,100	3,400	1,000	400
Other	600	200	200	100	S

¹ 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 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.

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)