

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 : 1997

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
All degree levels¹						
All degree fields, total	10,585,600	2,904,700	1,560,700	6,343,700	2,164,600	3,588,300
White	8,877,500	2,385,100	1,308,200	5,415,600	1,733,800	3,059,600
Black	555,600	123,000	106,200	329,900	115,700	192,700
Hispanic	371,500	94,900	62,600	210,600	72,600	136,700
Asian	745,600	291,300	76,600	368,900	235,700	186,200
Other	35,400	10,400	7,100	18,700	6,800	13,200
S&E degree fields, total	7,704,000	2,374,000	1,038,900	4,611,800	1,733,100	2,163,700
White	6,390,800	1,936,700	864,100	3,902,100	1,367,800	1,814,400
Black	395,800	93,800	72,100	232,700	91,700	124,100
Hispanic	282,800	78,000	44,300	164,600	59,200	90,500
Asian	607,700	257,200	53,600	297,800	208,500	126,000
Other	26,900	8,400	4,700	14,600	5,800	8,600
Sciences, total	5,794,700	1,431,800	958,900	3,510,600	1,246,600	1,768,600
White	4,841,800	1,178,400	801,600	2,979,300	1,004,800	1,488,700
Black	345,900	70,800	68,600	205,000	76,800	114,700
Hispanic	212,800	46,800	40,500	123,300	40,300	74,600
Asian	371,800	129,900	43,900	190,400	120,200	83,100
Other	22,600	5,900	4,400	12,600	4,500	7,500
Computer/math sciences, total	1,003,300	311,000	140,700	508,100	557,000	130,600
White	802,200	246,100	117,800	413,700	434,500	107,700
Black	58,000	16,300	9,400	29,500	30,900	8,300
Hispanic	29,300	8,000	3,500	14,900	16,800	4,500
Asian	110,700	39,600	9,500	48,300	73,100	9,800
Other	3,100	1,100	500	1,700	1,700	300
Life/related sciences, total	1,204,700	373,500	221,700	695,700	141,500	413,200
White	1,022,500	307,000	188,300	606,700	118,300	352,000
Black	53,600	13,400	12,900	29,500	8,200	18,300
Hispanic	39,200	12,100	8,100	21,300	3,900	13,500
Asian	85,200	39,400	11,600	36,000	10,500	28,500
Other	4,100	1,600	900	2,200	600	900
Physical/related sciences, total	619,200	284,700	89,100	318,900	122,800	147,100
White	521,800	238,500	76,400	273,000	101,700	123,700
Black	21,700	8,000	4,100	12,000	5,100	6,400
Hispanic	16,500	7,500	2,300	7,900	2,600	5,300
Asian	57,000	29,900	5,900	24,900	12,900	11,100
Other	2,100	800	400	1,100	400	600
Social/related sciences, total	2,967,600	462,600	507,400	1,987,900	425,400	1,077,700
White	2,495,200	386,800	419,000	1,685,900	350,300	905,400
Black	212,600	33,100	42,200	134,000	32,600	81,700
Hispanic	127,800	19,200	26,600	79,200	17,000	51,200
Asian	118,800	21,100	16,900	81,100	23,700	33,800
Other	13,200	2,500	2,700	7,600	1,800	5,700

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 : 1997

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
All degree levels¹ — continued						
Engineering, total	1,909,200	942,200	79,900	1,101,200	486,500	395,100
White	1,549,000	758,300	62,600	922,800	363,000	325,700
Black	49,900	23,100	3,500	27,700	14,900	9,500
Hispanic	70,000	31,100	3,800	41,300	18,900	15,900
Asian	235,900	127,300	9,700	107,400	88,300	42,900
Other	4,400	2,400	300	2,000	1,300	1,100
Non-S&E degree fields, total	2,881,700	530,700	521,800	1,732,000	431,500	1,424,600
White	2,486,800	448,400	444,000	1,513,500	366,000	1,245,100
Black	159,800	29,200	34,100	97,200	24,000	68,600
Hispanic	88,700	17,000	18,300	46,000	13,400	46,200
Asian	137,900	34,100	23,000	71,100	27,200	60,200
Other	8,500	2,000	2,400	4,100	1,000	4,500
Bachelor's						
All degree fields, total	6,193,700	1,624,300	669,600	3,947,600	1,492,000	1,759,300
White	5,212,700	1,368,700	552,200	3,370,600	1,222,700	1,471,400
Black	345,000	77,000	52,600	210,400	85,500	107,800
Hispanic	237,700	57,300	33,500	143,400	55,000	76,300
Asian	374,900	114,900	27,900	210,200	123,300	95,600
Other	23,400	6,400	3,400	13,000	5,400	8,100
S&E degree fields, total	5,683,700	1,466,700	625,500	3,648,400	1,298,100	1,629,700
White	4,771,000	1,230,800	514,600	3,109,200	1,055,000	1,359,900
Black	319,500	69,300	50,800	194,500	76,400	101,800
Hispanic	224,000	53,700	32,100	136,400	49,300	72,100
Asian	348,500	107,300	25,200	196,000	112,600	88,900
Other	20,700	5,500	2,700	12,200	4,800	7,000
Sciences, total	4,303,400	843,700	582,500	2,811,100	959,500	1,316,600
White	3,610,600	704,400	479,200	2,390,200	788,900	1,097,800
Black	279,000	51,500	48,600	171,400	64,000	93,800
Hispanic	171,600	31,700	29,800	104,800	34,500	59,900
Asian	224,800	52,200	22,200	134,100	68,200	59,000
Other	17,500	3,800	2,600	10,700	3,900	6,000
Computer/math sciences, total	721,600	200,800	79,200	381,500	411,900	101,900
White	590,600	165,600	67,400	314,600	334,200	84,300
Black	47,700	12,900	5,900	24,900	25,300	7,400
Hispanic	24,100	6,000	2,300	12,600	14,600	4,000
Asian	56,700	15,600	3,400	28,000	36,300	6,000
Other	2,600	700	300	1,500	1,600	300
Life/related sciences, total	884,500	205,600	131,100	558,700	108,900	327,400
White	759,300	172,400	110,000	489,900	92,500	279,800
Black	42,300	8,400	8,700	24,500	6,600	15,700
Hispanic	30,200	7,500	5,900	17,400	3,400	11,000
Asian	49,800	16,300	6,100	25,200	5,900	20,200
Other	3,000	1,000	500	1,700	400	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 : 1997

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
Bachelor's — continued						
Physical/related sciences, total	381,900	139,400	41,000	222,100	80,200	106,300
White	326,300	121,000	34,300	191,500	67,300	89,500
Black	16,900	5,400	2,800	10,000	4,100	5,200
Hispanic	11,700	4,700	1,300	5,900	2,100	4,200
Asian	25,600	7,900	2,400	14,000	6,500	7,000
Other	1,400	400	200	800	200	400
Social/related sciences, total	2,315,500	297,900	331,000	1,648,700	358,400	780,900
White	1,934,500	245,400	267,500	1,394,200	294,800	644,200
Black	172,100	24,800	31,200	112,000	28,000	65,400
Hispanic	105,600	13,600	20,400	69,000	14,600	40,800
Asian	92,700	12,400	10,400	67,000	19,500	25,900
Other	10,600	1,700	1,600	6,700	1,600	4,600
Engineering, total	1,380,300	623,000	43,000	837,300	338,600	313,100
White	1,160,400	526,400	35,400	719,100	266,100	262,100
Black	40,500	17,800	2,300	23,200	12,400	8,000
Hispanic	52,400	22,000	2,300	31,600	14,800	12,200
Asian	123,700	55,100	3,000	61,900	44,400	29,900
Other	3,200	1,700	100	1,500	900	900
Non-S&E degree fields, total	510,000	157,600	44,100	299,200	193,900	129,600
White	441,700	137,900	37,600	261,400	167,700	111,500
Black	25,500	7,700	1,700	15,800	9,100	6,000
Hispanic	13,800	3,500	1,400	7,000	5,700	4,200
Asian	26,400	7,600	2,700	14,200	10,800	6,700
Other	2,700	800	700	800	600	1,200
Master's						
All degree fields, total	2,819,800	779,500	545,300	1,656,600	572,100	877,300
White	2,330,500	619,300	465,600	1,394,500	434,700	751,500
Black	151,300	32,500	40,900	87,500	26,800	48,200
Hispanic	88,100	23,200	18,300	50,300	15,500	30,700
Asian	242,000	101,900	18,100	120,400	93,800	44,300
Other	7,900	2,500	2,300	3,900	1,200	2,500
S&E degree fields, total	1,431,600	531,400	227,000	754,000	366,800	393,800
White	1,144,400	410,700	192,700	617,000	262,800	335,300
Black	63,500	17,800	15,900	33,400	14,200	18,600
Hispanic	43,600	15,200	6,900	23,300	8,800	13,600
Asian	175,900	85,800	10,200	78,700	80,200	25,300
Other	4,200	1,800	1,300	1,700	800	1,000
Sciences, total	1,001,000	286,400	211,100	524,300	238,800	323,500
White	822,800	228,000	181,400	438,000	177,700	280,200
Black	55,500	13,500	15,200	29,400	12,000	17,200
Hispanic	28,100	7,500	5,900	14,200	5,100	10,300
Asian	91,300	36,300	7,500	41,400	43,600	14,900
Other	3,200	1,200	1,100	1,200	500	800

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 : 1997

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
Master's — continued						
Computer/math sciences, total	244,700	84,900	43,100	118,200	134,200	25,400
White	183,200	61,400	36,600	92,200	92,500	20,800
Black	9,800	3,100	3,200	4,500	5,400	800
Hispanic	4,400	1,400	700	2,100	2,200	500
Asian	46,700	18,600	2,600	19,300	33,900	3,300
Other	500	300	100	200	200	S
Life/related sciences, total	156,600	57,100	39,800	76,600	22,000	48,300
White	130,600	45,400	34,500	65,600	17,400	42,500
Black	7,600	2,900	2,800	3,600	1,300	1,500
Hispanic	3,700	1,600	900	1,900	400	600
Asian	13,900	7,000	1,400	5,300	2,900	3,500
Other	700	300	300	300	100	100
Physical/related sciences, total	114,500	55,000	18,100	53,700	25,500	24,900
White	96,100	45,600	16,100	45,600	21,000	20,900
Black	3,200	1,500	700	1,500	900	900
Hispanic	2,400	1,100	300	1,400	200	800
Asian	12,400	6,700	900	5,000	3,400	2,200
Other	400	100	100	200	100	100
Social/related sciences, total	485,300	89,400	110,100	275,800	57,100	225,000
White	412,900	75,600	94,300	234,700	46,900	196,000
Black	34,900	6,000	8,500	19,800	4,300	14,000
Hispanic	17,600	3,400	4,100	8,900	2,300	8,400
Asian	18,300	4,000	2,600	11,800	3,500	5,900
Other	1,600	400	700	600	100	600
Engineering, total	430,600	244,900	15,800	229,700	128,000	70,300
White	321,500	182,700	11,300	178,900	85,100	55,000
Black	8,000	4,300	700	4,000	2,200	1,400
Hispanic	15,500	7,800	1,000	9,000	3,700	3,300
Asian	84,600	49,600	2,700	37,300	36,600	10,300
Other	1,000	600	200	400	300	200
Non-S&E degree fields, total	1,388,200	248,100	318,300	902,600	205,300	483,500
White	1,186,100	208,700	273,000	777,500	171,900	416,200
Black	87,800	14,700	25,000	54,100	12,600	29,600
Hispanic	44,500	8,000	11,400	27,000	6,800	17,100
Asian	66,100	16,000	7,900	41,700	13,600	19,000
Other	3,700	700	1,000	2,300	400	1,500
Doctorate						
All degree fields, total	696,000	417,600	234,800	261,500	76,100	172,000
White	562,200	326,800	195,900	220,700	55,800	146,100
Black	21,300	9,600	8,700	9,300	1,700	6,000
Hispanic	19,100	11,100	6,500	6,400	1,400	5,700
Asian	91,100	68,900	22,700	24,400	16,900	13,400
Other	2,200	1,100	1,000	800	200	700

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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
Doctorate — continued						
S&E degree fields, total	580,300	374,700	185,400	204,900	67,700	134,700
White	467,400	293,800	156,000	171,400	49,600	114,100
Black	12,800	6,800	5,300	4,700	1,100	3,700
Hispanic	15,000	9,000	5,200	5,000	1,100	4,600
Asian	83,100	64,100	18,200	23,100	15,600	11,700
Other	1,900	1,000	700	800	200	600
Sciences, total	482,000	300,300	164,300	170,900	47,900	122,900
White	400,400	244,600	140,100	146,800	38,000	105,600
Black	11,400	5,700	4,800	4,200	800	3,600
Hispanic	12,900	7,600	4,600	4,300	700	4,200
Asian	55,500	41,400	14,100	14,900	8,200	9,000
Other	1,800	900	700	700	200	600
Computer/math sciences, total	36,900	25,300	18,400	8,300	10,800	3,200
White	28,200	19,000	13,900	6,900	7,600	2,500
Black	500	300	300	100	100	100
Hispanic	800	600	600	200	100	S
Asian	7,300	5,300	3,500	1,100	2,900	500
Other	S	S	S	S	S	S
Life/related sciences, total	162,500	110,500	50,800	59,800	10,400	37,100
White	131,600	88,900	43,800	50,600	8,400	29,500
Black	3,700	2,100	1,400	1,400	300	1,000
Hispanic	5,300	3,100	1,300	2,000	200	1,900
Asian	21,400	16,100	4,100	5,500	1,600	4,600
Other	500	300	100	200	S	100
Physical/related sciences, total	122,200	90,000	29,700	42,600	17,100	15,800
White	98,900	71,700	25,800	35,300	13,500	13,100
Black	1,600	1,000	500	500	200	300
Hispanic	2,400	1,700	700	700	300	400
Asian	19,000	15,300	2,600	6,000	3,000	1,900
Other	400	200	100	100	100	100
Social/related sciences, total	160,500	74,500	65,500	60,200	9,700	66,900
White	141,700	64,900	56,600	54,000	8,500	60,400
Black	5,600	2,300	2,600	2,200	300	2,200
Hispanic	4,400	2,200	2,000	1,400	100	1,900
Asian	7,800	4,700	3,900	2,300	800	2,000
Other	900	400	400	400	S	400
Engineering, total	98,200	74,300	21,100	34,100	19,700	11,800
White	66,900	49,200	15,900	24,700	11,600	8,600
Black	1,400	1,000	500	500	300	100
Hispanic	2,200	1,400	600	700	400	400
Asian	27,600	22,600	4,100	8,200	7,400	2,700
Other	100	100	S	S	S	S

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 : 1997

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
Doctorate — continued						
Non-S&E degree fields, total	115,800	42,900	49,400	56,600	8,400	37,200
White	94,900	33,000	39,900	49,200	6,200	32,000
Black	8,500	2,800	3,300	4,600	600	2,300
Hispanic	4,100	2,100	1,300	1,400	300	1,200
Asian	8,000	4,800	4,500	1,300	1,300	1,700
Other	300	100	300	S	S	100

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, 1995 or 1997 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, 1997 SESTAT (Scientists and Engineers Statistical Data System)