

**Table B-9. U.S. scientists and engineers, by level and field of highest degree attained, race/ethnicity, and age: 1997**

Level and field of highest degree, and race/ethnicity	S&Es, total	Age range				
		<30	30-39	40-49	50-59	60+
<b>All degree levels<sup>1</sup></b>						
<b>All degree fields, total</b> .....	12,530,700	1,696,700	3,052,400	3,697,500	2,341,800	1,742,200
White .....	10,567,300	1,338,700	2,489,500	3,139,300	2,027,300	1,572,500
Black .....	640,700	101,400	161,300	199,600	107,600	70,800
Hispanic .....	423,600	90,800	134,500	112,400	55,600	30,300
Asian .....	856,500	158,100	256,600	234,500	142,800	64,400
Other .....	42,700	7,700	10,500	11,800	8,400	4,200
<b>S&amp;E degree fields, total</b> .....	9,269,200	1,558,800	2,277,100	2,535,900	1,600,800	1,296,700
White .....	7,744,600	1,226,800	1,831,500	2,135,000	1,373,200	1,178,200
Black .....	459,700	93,400	120,200	134,300	70,000	41,800
Hispanic .....	326,600	83,700	104,700	78,100	37,500	22,600
Asian .....	705,200	147,300	213,000	179,900	113,700	51,200
Other .....	33,100	7,600	7,700	8,600	6,400	2,800
<b>Sciences, total</b> .....	6,977,800	1,281,400	1,632,300	2,007,800	1,229,400	826,800
White .....	5,854,300	1,019,700	1,325,800	1,702,500	1,064,500	741,900
Black .....	404,800	81,300	99,100	121,300	64,600	38,400
Hispanic .....	248,800	69,400	74,700	60,500	28,700	15,600
Asian .....	441,600	104,400	126,500	116,500	65,600	28,600
Other .....	28,300	6,700	6,200	7,100	6,000	2,300
<b>Computer/math sciences, total</b> .....	1,136,000	152,400	386,600	310,600	196,400	90,000
White .....	915,700	114,000	294,100	253,300	173,900	80,400
Black .....	64,500	12,400	24,500	15,300	7,900	4,500
Hispanic .....	32,700	5,800	14,900	7,200	3,300	1,500
Asian .....	119,400	19,800	51,600	33,900	10,800	3,400
Other .....	3,700	400	1,500	1,000	500	200
<b>Life/related sciences, total</b> .....	1,475,600	282,800	325,100	463,000	238,700	166,000
White .....	1,243,100	223,900	267,600	401,800	204,900	144,900
Black .....	65,800	13,200	15,800	19,600	9,300	7,800
Hispanic .....	50,600	14,500	13,500	13,600	5,200	3,700
Asian .....	110,900	29,900	26,600	27,000	18,400	9,000
Other .....	5,300	1,200	1,600	900	1,000	600
<b>Physical/related sciences, total</b> .....	773,200	90,900	168,600	202,400	153,800	157,500
White .....	658,600	74,600	137,700	169,800	131,100	145,500
Black .....	26,500	4,000	6,800	6,700	4,800	4,200
Hispanic .....	19,400	2,900	6,400	4,600	3,400	2,200
Asian .....	65,800	9,000	17,100	20,400	13,900	5,300
Other .....	2,900	400	500	900	600	300
<b>Social/related sciences, total</b> .....	3,593,000	755,400	752,000	1,031,800	640,600	413,300
White .....	3,036,900	607,100	626,400	877,600	554,600	371,100
Black .....	248,000	51,700	52,100	79,700	42,600	21,900
Hispanic .....	146,200	46,200	39,900	35,000	16,900	8,100
Asian .....	145,500	45,700	31,100	35,200	22,500	11,000
Other .....	16,500	4,600	2,500	4,200	3,900	1,200

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

**Table B-9. U.S. scientists and engineers, by level and field of highest degree attained, race/ethnicity, and age: 1997**

Level and field of highest degree, and race/ethnicity	S&Es, total	Age range				
		<30	30-39	40-49	50-59	60+
<b>All degree levels<sup>1</sup> — continued</b>						
<b>Engineering, total</b> .....	2,291,400	277,300	644,800	528,000	371,400	469,900
White .....	1,890,300	207,100	505,700	432,500	308,700	436,300
Black .....	54,900	12,100	21,100	12,900	5,400	3,500
Hispanic .....	77,800	14,300	30,100	17,600	8,800	7,000
Asian .....	263,600	42,900	86,500	63,400	48,200	22,600
Other .....	4,800	900	1,500	1,500	400	500
<b>Non-S&amp;E degree fields, total</b> .....	3,261,500	137,900	775,400	1,161,700	741,000	445,600
White .....	2,822,600	111,900	658,000	1,004,300	654,100	394,300
Black .....	181,000	8,000	41,100	65,300	37,600	29,000
Hispanic .....	97,000	7,100	29,700	34,300	18,100	7,700
Asian .....	151,300	10,800	43,600	54,600	29,100	13,200
Other .....	9,600	100	2,800	3,100	2,100	1,400
<b>Bachelor's</b>						
<b>All degree fields, total</b> .....	7,469,000	1,426,900	1,909,400	2,049,300	1,113,500	969,800
White .....	6,321,200	1,134,700	1,588,000	1,745,600	960,600	892,300
Black .....	400,000	87,400	112,100	119,300	50,400	30,700
Hispanic .....	273,800	78,300	89,400	64,200	27,600	14,400
Asian .....	445,100	119,300	113,200	112,600	69,600	30,400
Other .....	29,000	7,200	6,800	7,700	5,200	2,000
<b>S&amp;E degree fields, total</b> .....	6,906,400	1,415,300	1,737,700	1,826,300	1,010,600	916,600
White .....	5,833,700	1,124,100	1,437,700	1,556,800	869,800	845,300
Black .....	371,600	86,900	102,300	106,500	47,900	28,000
Hispanic .....	259,200	77,700	84,800	58,000	25,000	13,700
Asian .....	416,000	119,300	107,100	98,900	63,000	27,800
Other .....	26,000	7,200	5,900	6,200	4,900	1,800
<b>Sciences, total</b> .....	5,212,100	1,185,300	1,270,000	1,455,200	761,900	539,800
White .....	4,387,500	945,500	1,051,300	1,242,500	657,000	491,200
Black .....	326,700	76,500	85,300	95,700	44,100	25,100
Hispanic .....	200,800	65,800	61,900	45,400	19,200	8,500
Asian .....	274,600	91,000	66,800	66,400	36,900	13,600
Other .....	22,500	6,500	4,800	5,100	4,600	1,500
<b>Computer/math sciences, total</b> .....	817,000	131,500	300,200	210,800	117,800	56,800
White .....	672,600	101,300	237,800	175,700	105,800	51,900
Black .....	52,900	11,400	20,900	12,600	4,800	3,100
Hispanic .....	26,500	5,300	13,100	5,300	2,300	600
Asian .....	62,000	13,000	27,100	16,500	4,400	1,100
Other .....	2,900	400	1,300	700	400	100
<b>Life/related sciences, total</b> .....	1,090,600	266,000	241,600	337,300	139,700	106,000
White .....	925,300	210,800	202,600	297,200	120,500	94,200
Black .....	52,700	12,600	13,100	14,900	6,100	5,900
Hispanic .....	40,000	14,100	11,000	10,100	3,100	1,700
Asian .....	68,700	27,400	13,700	14,600	9,200	3,800
Other .....	3,900	1,200	1,100	500	800	400

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

**Table B-9. U.S. scientists and engineers, by level and field of highest degree attained, race/ethnicity, and age: 1997**

Level and field of highest degree, and race/ethnicity	S&Es, total	Age range				
		<30	30-39	40-49	50-59	60+
<b>Bachelor's — continued</b>						
<b>Physical/related sciences, total</b> .....	489,000	79,400	105,700	125,900	78,900	99,100
White .....	422,600	65,600	90,100	107,800	66,100	92,900
Black .....	20,200	3,700	5,800	4,800	3,200	2,700
Hispanic .....	13,500	2,500	4,500	3,100	2,100	1,300
Asian .....	30,700	7,200	4,900	9,400	7,300	1,800
Other .....	2,100	400	300	800	300	300
<b>Social/related sciences, total</b> .....	2,815,500	708,400	622,500	781,200	425,400	278,000
White .....	2,367,000	567,800	520,700	661,700	364,600	252,100
Black .....	200,900	48,800	45,400	63,500	29,900	13,300
Hispanic .....	120,800	43,900	33,300	27,000	11,800	4,900
Asian .....	113,200	43,400	21,000	25,900	16,000	6,800
Other .....	13,500	4,500	2,000	3,100	3,100	800
<b>Engineering, total</b> .....	1,694,300	229,900	467,700	371,100	248,700	376,800
White .....	1,446,200	178,500	386,400	314,300	212,800	354,100
Black .....	44,900	10,400	17,000	10,800	3,800	3,000
Hispanic .....	58,300	11,900	22,900	12,500	5,800	5,200
Asian .....	141,300	28,300	40,300	32,500	26,000	14,200
Other .....	3,500	800	1,100	1,100	300	300
<b>Non-S&amp;E degree fields, total</b> .....	562,600	11,700	171,800	223,000	102,900	53,200
White .....	487,500	10,600	150,300	188,800	90,900	47,000
Black .....	28,400	500	9,900	12,800	2,500	2,700
Hispanic .....	14,600	600	4,600	6,200	2,600	700
Asian .....	29,100	S	6,100	13,700	6,600	2,600
Other .....	2,900	S	900	1,500	300	200
<b>Master's</b>						
<b>All degree fields, total</b> .....	3,316,800	206,200	741,400	1,052,800	818,600	497,700
White .....	2,759,000	153,400	581,300	880,300	704,700	439,300
Black .....	176,300	10,900	35,300	59,500	42,100	28,400
Hispanic .....	99,800	9,300	29,900	32,000	18,900	9,600
Asian .....	272,900	32,200	92,700	78,000	50,800	19,100
Other .....	8,800	400	2,100	3,000	2,000	1,300
<b>S&amp;E degree fields, total</b> .....	1,698,100	133,400	396,700	509,100	401,300	257,600
White .....	1,369,800	94,700	291,500	416,200	340,900	226,500
Black .....	74,600	6,400	14,900	22,800	18,500	12,100
Hispanic .....	49,900	5,900	15,600	14,700	7,900	5,800
Asian .....	198,800	26,000	73,300	53,500	33,400	12,600
Other .....	4,900	300	1,400	1,900	600	600
<b>Sciences, total</b> .....	1,209,600	88,600	249,600	379,500	307,700	184,300
White .....	1,000,900	67,700	189,500	315,000	267,300	161,300
Black .....	66,100	4,700	11,300	21,000	17,400	11,600
Hispanic .....	33,000	3,500	9,200	10,400	5,600	4,300
Asian .....	105,900	12,500	38,400	31,600	16,800	6,600
Other .....	3,900	200	1,100	1,500	600	400

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

**Table B-9. U.S. scientists and engineers, by level and field of highest degree attained, race/ethnicity, and age: 1997**

Level and field of highest degree, and race/ethnicity	S&Es, total	Age range				
		<30	30-39	40-49	50-59	60+
<b>Master's — continued</b>						
<b>Computer/math sciences, total</b> .....	278,900	19,900	76,800	87,800	66,500	27,800
White .....	211,900	12,100	50,200	68,100	57,700	23,800
Black .....	11,100	1,000	3,500	2,500	2,900	1,300
Hispanic .....	5,200	500	1,600	1,600	800	800
Asian .....	49,900	6,400	21,300	15,400	5,100	1,800
Other .....	700	S	300	300	100	100
<b>Life/related sciences, total</b> .....	197,000	13,800	43,900	62,400	50,400	26,500
White .....	164,600	10,500	35,500	52,400	43,200	23,000
Black .....	9,100	600	1,700	3,300	2,200	1,400
Hispanic .....	4,400	400	1,200	1,600	700	500
Asian .....	18,000	2,300	5,100	4,900	4,200	1,500
Other .....	900	100	400	200	100	100
<b>Physical/related sciences, total</b> .....	142,700	9,600	30,400	40,700	33,700	28,300
White .....	119,800	7,400	23,900	33,400	29,300	25,800
Black .....	4,600	300	500	1,300	1,200	1,300
Hispanic .....	3,100	300	1,100	900	400	500
Asian .....	14,700	1,500	4,700	5,000	2,700	800
Other .....	400	S	100	100	100	S
<b>Social/related sciences, total</b> .....	591,100	45,200	98,500	188,600	157,100	101,700
White .....	504,500	37,700	80,000	161,100	137,100	88,700
Black .....	41,200	2,900	5,500	13,900	11,200	7,700
Hispanic .....	20,300	2,300	5,400	6,400	3,700	2,500
Asian .....	23,200	2,200	7,200	6,400	4,800	2,500
Other .....	1,900	100	400	800	300	200
<b>Engineering, total</b> .....	488,500	44,800	147,100	129,600	93,600	73,300
White .....	369,000	27,100	102,000	101,200	73,500	65,200
Black .....	8,600	1,700	3,600	1,800	1,100	500
Hispanic .....	17,000	2,400	6,400	4,300	2,400	1,500
Asian .....	92,900	13,600	34,900	21,900	16,600	6,000
Other .....	1,100	100	300	400	100	200
<b>Non-S&amp;E degree fields, total</b> .....	1,618,700	72,800	344,700	543,700	417,300	240,100
White .....	1,389,200	58,600	289,800	464,100	363,800	212,800
Black .....	101,700	4,600	20,400	36,700	23,600	16,300
Hispanic .....	49,800	3,400	14,300	17,300	11,000	3,800
Asian .....	74,100	6,100	19,500	24,500	17,500	6,500
Other .....	3,900	100	700	1,000	1,400	700
<b>Doctorate</b>						
<b>All degree fields, total</b> .....	790,500	10,500	157,600	228,300	237,100	157,000
White .....	643,200	8,300	112,200	183,600	204,000	135,000
Black .....	24,600	100	3,400	7,900	7,400	5,800
Hispanic .....	21,600	S	5,500	6,500	5,800	3,700
Asian .....	98,400	2,000	36,000	29,700	18,900	11,800
Other .....	2,700	S	400	700	900	700

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

**Table B-9. U.S. scientists and engineers, by level and field of highest degree attained, race/ethnicity, and age: 1997**

Level and field of highest degree, and race/ethnicity	S&Es, total	Age range				
		<30	30-39	40-49	50-59	60+
<b>Doctorate — continued</b>						
<b>S&amp;E degree fields, total</b> .....	654,900	9,600	140,100	197,300	186,800	121,100
White .....	532,000	7,500	99,800	159,100	160,400	105,200
Black .....	13,500	100	3,100	5,000	3,600	1,700
Hispanic .....	17,300	S	4,300	5,400	4,500	3,000
Asian .....	90,000	2,000	32,500	27,300	17,400	10,800
Other .....	2,100	S	400	500	900	400
<b>Sciences, total</b> .....	546,400	7,000	110,100	170,200	157,700	101,400
White .....	456,900	5,900	82,500	142,200	138,000	88,200
Black .....	12,000	S	2,600	4,600	3,100	1,700
Hispanic .....	14,800	S	3,500	4,600	3,900	2,700
Asian .....	60,700	900	21,200	18,300	11,900	8,500
Other .....	1,900	S	300	400	800	300
<b>Computer/math sciences, total</b> .....	39,900	1,000	9,600	11,800	12,000	5,500
White .....	30,900	600	6,200	9,200	10,300	4,600
Black .....	500	S	100	200	200	100
Hispanic .....	1,000	S	200	400	200	200
Asian .....	7,400	300	3,200	2,100	1,300	600
Other .....	S	S	S	S	S	S
<b>Life/related sciences, total</b> .....	186,500	2,500	38,600	63,300	48,600	33,600
White .....	151,800	2,200	28,600	52,200	41,100	27,700
Black .....	4,000	S	900	1,500	1,000	500
Hispanic .....	6,200	S	1,300	1,900	1,400	1,600
Asian .....	24,100	200	7,700	7,500	4,900	3,700
Other .....	500	S	100	200	100	100
<b>Physical/related sciences, total</b> .....	140,800	1,800	32,200	35,900	40,900	30,000
White .....	115,600	1,500	23,300	28,600	35,400	26,800
Black .....	1,600	S	400	600	400	200
Hispanic .....	2,800	S	800	600	900	400
Asian .....	20,400	300	7,500	6,000	4,000	2,600
Other .....	400	S	100	S	200	S
<b>Social/related sciences, total</b> .....	179,200	1,700	29,700	59,200	56,200	32,400
White .....	158,600	1,600	24,500	52,200	51,200	29,100
Black .....	5,900	S	1,100	2,400	1,500	900
Hispanic .....	4,900	S	1,200	1,700	1,400	600
Asian .....	8,900	100	2,800	2,700	1,700	1,600
Other .....	1,000	S	100	200	400	200
<b>Engineering, total</b> .....	108,500	2,600	30,000	27,200	29,100	19,700
White .....	75,100	1,500	17,300	16,900	22,400	17,000
Black .....	1,400	S	500	400	500	S
Hispanic .....	2,500	S	800	800	600	300
Asian .....	29,300	1,100	11,300	9,000	5,500	2,400
Other .....	200	S	100	S	S	S

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

**Table B-9. U.S. scientists and engineers, by level and field of highest degree attained, race/ethnicity, and age: 1997**

Level and field of highest degree, and race/ethnicity	S&Es, total	Age range				
		<30	30-39	40-49	50-59	60+
<b>Doctorate — continued</b>						
<b>Non-S&amp;E degree fields, total</b> .....	135,600	900	17,500	31,000	50,300	35,800
White .....	111,200	900	12,400	24,500	43,600	29,800
Black .....	11,100	S	300	2,900	3,900	4,000
Hispanic .....	4,300	S	1,200	1,100	1,300	600
Asian .....	8,300	S	3,500	2,400	1,500	1,000
Other .....	600	S	S	200	100	300

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.

**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)