

**Table E-5. Employed U.S. scientists and engineers, by highest degree attained, occupation, race/ethnicity, and employment sector: 1995**

Highest degree, occupation, and race/ethnicity	Employed S&Es, total	Sector of employment			
		Business/industry	4-yr. College/university	Other educational institution	Government
<b>All degree levels<sup>1</sup></b>					
<b>All occupations, total<sup>2</sup></b> .....	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
<b>S&amp;E occupations, total</b> .....	3,185,600	2,175,100	453,900	112,500	444,100
White .....	2,673,700	1,845,900	365,700	97,300	364,800
Black .....	107,500	59,600	17,700	6,700	23,500
Hispanic .....	90,100	56,600	14,300	3,700	15,500
Asian .....	304,600	207,400	54,700	4,600	37,900
Other .....	9,700	5,700	1,500	300	2,300
<b>Scientists, total</b> .....	1,846,600	1,112,900	387,500	104,600	241,600
White .....	1,552,600	938,700	317,600	90,600	205,700
Black .....	73,200	37,400	15,700	6,600	13,700
Hispanic .....	47,900	26,200	11,900	3,300	6,400
Asian .....	167,300	108,100	40,900	3,900	14,400
Other .....	5,500	2,500	1,400	300	1,400
<b>Computer/math scientists, total</b> ...	949,500	734,400	88,200	35,700	91,100
White .....	784,900	609,400	71,700	30,100	73,600
Black .....	39,300	25,200	3,800	2,300	7,900
Hispanic .....	22,800	17,100	2,300	1,100	2,500
Asian .....	100,200	81,600	9,900	2,200	6,600
Other .....	2,300	1,100	500	100	600
<b>Life/related scientists, total</b> .....	305,300	94,000	133,200	15,800	62,300
White .....	257,200	80,000	107,600	13,900	55,700
Black .....	9,700	2,400	4,600	1,000	1,700
Hispanic .....	8,500	2,300	4,300	500	1,400
Asian .....	29,000	9,200	16,400	500	3,000
Other .....	900	100	200	S	500
<b>Physical/related scientists, total</b> ...	274,300	150,700	70,300	9,300	44,000
White .....	232,600	127,800	58,300	8,400	38,200
Black .....	7,800	4,400	1,500	200	1,600
Hispanic .....	6,800	3,700	1,900	200	1,000
Asian .....	26,200	14,200	8,500	400	3,100
Other .....	800	600	200	S	S
<b>Social/related scientists, total</b> .....	317,500	133,900	95,800	43,700	44,200
White .....	277,900	121,500	80,000	38,200	38,200
Black .....	16,500	5,300	5,800	3,000	2,400
Hispanic .....	9,800	3,200	3,400	1,600	1,600
Asian .....	11,800	3,200	6,100	800	1,700
Other .....	1,500	700	500	100	200

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

**Table E-5. Employed U.S. scientists and engineers, by highest degree attained, occupation, race/ethnicity, and employment sector: 1995**

Highest degree, occupation, and race/ethnicity	Employed S&Es, total	Sector of employment			
		Business/industry	4-yr. College/university	Other educational institution	Government
<b>All degree levels<sup>1</sup> — continued</b>					
<b>Engineers, total</b> .....	1,339,000	1,062,200	66,400	7,900	202,500
White .....	1,121,000	907,100	48,100	6,700	159,100
Black .....	34,200	22,300	2,000	100	9,800
Hispanic .....	42,200	30,300	2,300	400	9,100
Asian .....	137,300	99,300	13,800	700	23,600
Other .....	4,200	3,200	100	S	900
<b>Non-S&amp;E occupations, total</b> .....	6,928,900	4,717,900	422,900	848,100	940,000
White .....	5,873,300	4,096,400	338,700	704,300	733,900
Black .....	420,000	193,700	30,500	81,000	114,800
Hispanic .....	238,100	140,800	17,000	36,600	43,600
Asian .....	375,800	275,700	34,900	22,400	42,800
Other .....	21,800	11,400	1,700	3,800	4,900
<b>Managers/administrators</b> .....	1,963,200	1,449,300	88,100	101,100	324,700
White .....	1,696,200	1,280,300	71,700	80,800	263,500
Black .....	108,600	51,100	9,100	13,200	35,200
Hispanic .....	59,300	39,100	2,400	4,200	13,500
Asian .....	93,900	76,200	4,700	2,200	10,800
Other .....	5,200	2,600	100	700	1,800
<b>Other non-S&amp;E occupations</b> .....	4,965,700	3,268,600	334,800	747,000	615,300
White .....	4,177,000	2,816,100	267,000	623,500	470,500
Black .....	311,400	142,600	21,400	67,800	79,600
Hispanic .....	178,800	101,700	14,600	32,400	30,200
Asian .....	281,800	199,500	30,100	20,300	32,000
Other .....	16,600	8,800	1,600	3,100	3,100
<b>Bachelor's</b>					
<b>All occupations, total<sup>2</sup></b> .....	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
<b>S&amp;E occupations, total</b> .....	1,845,800	1,413,700	123,100	29,600	279,400
White .....	1,586,800	1,232,900	100,400	24,800	228,600
Black .....	70,700	45,000	6,700	2,400	16,600
Hispanic .....	54,900	38,100	5,200	700	10,900
Asian .....	127,500	93,400	10,600	1,600	21,900
Other .....	5,900	4,200	200	S	1,500
<b>Scientists, total</b> .....	937,500	676,300	101,700	26,500	133,000
White .....	800,800	582,400	83,800	22,000	112,700
Black .....	44,300	27,600	5,800	2,400	8,500
Hispanic .....	26,400	17,800	4,200	600	3,800
Asian .....	63,300	46,900	7,700	1,400	7,200
Other .....	2,700	1,600	200	S	800

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

**Table E-5. Employed U.S. scientists and engineers, by highest degree attained, occupation, race/ethnicity, and employment sector: 1995**

Highest degree, occupation, and race/ethnicity	Employed S&Es, total	Sector of employment			
		Business/industry	4-yr. College/university	Other educational institution	Government
<b>Bachelor's — continued</b>					
<b>Computer/math scientists, total</b> ....	625,500	518,300	31,900	13,900	61,400
White .....	531,600	444,900	27,000	11,200	48,500
Black .....	28,800	20,000	1,600	1,500	5,800
Hispanic .....	17,200	13,800	1,300	400	1,700
Asian .....	46,400	38,700	2,000	900	4,900
Other .....	1,500	900	100	S	500
<b>Life/related scientists, total</b> .....	122,200	46,900	35,900	5,400	33,900
White .....	106,700	41,500	29,200	5,100	30,900
Black .....	4,300	1,300	1,800	200	1,000
Hispanic .....	4,200	1,400	1,600	100	1,000
Asian .....	6,700	2,600	3,300	100	800
Other .....	300	S	S	S	200
<b>Physical/related scientists, total</b> ...	128,300	84,000	18,400	2,200	23,700
White .....	111,900	73,300	15,700	2,100	20,700
Black .....	5,300	3,500	600	100	1,100
Hispanic .....	3,000	1,900	500	S	600
Asian .....	7,500	4,800	1,400	S	1,400
Other .....	500	500	100	S	S
<b>Social/related scientists, total</b> .....	61,500	27,100	15,500	5,000	13,900
White .....	50,600	22,600	11,800	3,600	12,600
Black .....	5,900	2,700	1,800	700	700
Hispanic .....	2,100	700	800	100	400
Asian .....	2,600	900	1,000	500	200
Other .....	300	200	S	S	100
<b>Engineers, total</b> .....	908,300	737,400	21,400	3,100	146,400
White .....	786,000	650,600	16,600	2,800	115,900
Black .....	26,400	17,400	900	S	8,100
Hispanic .....	28,500	20,300	1,000	100	7,100
Asian .....	64,200	46,500	2,900	200	14,700
Other .....	3,200	2,600	S	S	600
<b>Non-S&amp;E occupations, total</b> .....	4,080,900	2,955,000	165,600	391,400	568,900
White .....	3,438,000	2,556,100	128,400	318,700	434,700
Black .....	258,700	131,800	13,700	37,500	75,800
Hispanic .....	152,600	95,200	7,800	20,900	28,700
Asian .....	217,600	164,200	15,000	12,200	26,200
Other .....	14,000	7,700	700	2,100	3,500
<b>Managers/administrators</b> .....	1,095,200	872,100	29,400	25,800	168,000
White .....	956,700	777,600	23,300	21,300	134,400
Black .....	55,700	31,700	3,200	2,000	18,800
Hispanic .....	35,500	25,100	1,000	1,100	8,400
Asian .....	43,600	35,800	2,000	900	4,900
Other .....	3,700	1,800	S	400	1,500

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

**Table E-5. Employed U.S. scientists and engineers, by highest degree attained, occupation, race/ethnicity, and employment sector: 1995**

Highest degree, occupation, and race/ethnicity	Employed S&Es, total	Sector of employment			
		Business/industry	4-yr. College/university	Other educational institution	Government
<b>Bachelor's — continued</b>					
<b>Other non-S&amp;E occupations</b> .....	2,985,800	2,083,000	136,200	365,700	400,900
White .....	2,481,300	1,778,500	105,200	297,400	300,200
Black .....	203,100	100,100	10,500	35,500	57,000
Hispanic .....	117,100	70,100	6,800	19,800	20,300
Asian .....	174,000	128,400	13,000	11,300	21,300
Other .....	10,300	5,900	700	1,700	2,000
<b>Master's</b>					
<b>All occupations, total</b> <sup>2</sup> .....	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
<b>S&amp;E occupations, total</b> .....	891,600	595,900	106,200	66,300	123,200
White .....	724,400	483,500	82,400	57,900	100,500
Black .....	25,500	11,400	4,500	3,500	6,000
Hispanic .....	23,900	15,100	2,400	2,600	3,700
Asian .....	115,500	84,800	16,500	2,000	12,200
Other .....	2,200	900	300	200	700
<b>Scientists, total</b> .....	532,900	312,500	85,500	62,200	72,700
White .....	439,000	254,700	68,200	54,600	61,400
Black .....	18,700	6,900	3,900	3,400	4,400
Hispanic .....	12,200	5,900	2,000	2,300	2,000
Asian .....	61,600	44,600	11,000	1,600	4,400
Other .....	1,400	400	300	200	400
<b>Computer/math scientists, total</b> ....	267,200	191,500	30,100	19,400	26,100
White .....	209,300	146,200	24,000	17,000	22,000
Black .....	9,000	4,600	1,500	800	2,100
Hispanic .....	4,300	2,900	200	600	700
Asian .....	44,000	37,700	4,100	1,000	1,300
Other .....	500	200	300	100	100
<b>Life/related scientists, total</b> .....	63,700	21,100	18,900	7,200	16,500
White .....	53,400	18,300	14,200	6,000	14,800
Black .....	2,500	400	900	800	500
Hispanic .....	1,200	300	400	300	200
Asian .....	6,300	2,100	3,300	100	800
Other .....	300	S	S	S	200
<b>Physical/related scientists, total</b> ...	67,200	35,700	14,500	5,100	11,800
White .....	56,100	30,100	11,500	4,600	9,900
Black .....	1,100	500	200	S	400
Hispanic .....	2,200	1,300	500	200	300
Asian .....	7,500	3,700	2,300	300	1,200
Other .....	200	100	S	S	S

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

**Table E-5. Employed U.S. scientists and engineers, by highest degree attained, occupation, race/ethnicity, and employment sector: 1995**

Highest degree, occupation, and race/ethnicity	Employed S&Es, total	Sector of employment			
		Business/industry	4-yr. College/university	Other educational institution	Government
<b>Master's — continued</b>					
<b>Social/related scientists, total</b> .....	134,900	64,200	22,000	30,400	18,300
White .....	120,200	60,000	18,500	27,000	14,700
Black .....	6,100	1,400	1,300	1,900	1,400
Hispanic .....	4,400	1,500	900	1,300	700
Asian .....	3,700	1,100	1,300	100	1,200
Other .....	400	100	S	100	200
<b>Engineers, total</b> .....	358,700	283,400	20,700	4,200	50,500
White .....	285,400	228,800	14,200	3,300	39,000
Black .....	6,900	4,500	600	100	1,600
Hispanic .....	11,700	9,200	400	300	1,800
Asian .....	53,900	40,300	5,400	400	7,800
Other .....	800	500	S	S	300
<b>Non-S&amp;E occupations, total</b> .....	1,765,200	1,014,900	98,400	397,600	254,300
White .....	1,492,500	872,900	79,900	336,500	203,100
Black .....	112,300	37,600	7,500	38,000	29,200
Hispanic .....	51,900	25,000	3,600	13,600	9,800
Asian .....	103,800	77,500	7,200	7,900	11,200
Other .....	4,800	2,000	200	1,600	1,000
<b>Managers/administrators</b> .....	697,100	479,900	28,200	59,700	129,300
White .....	595,100	420,300	22,200	46,400	106,200
Black .....	42,100	16,200	3,000	9,200	13,700
Hispanic .....	19,500	11,700	900	2,700	4,300
Asian .....	39,300	31,200	2,000	1,100	4,900
Other .....	1,100	500	100	300	200
<b>Other non-S&amp;E occupations</b> .....	1,068,100	535,000	70,300	337,900	125,000
White .....	897,400	452,600	57,800	290,100	96,900
Black .....	70,200	21,400	4,500	28,800	15,500
Hispanic .....	32,400	13,300	2,700	10,900	5,600
Asian .....	64,500	46,300	5,100	6,800	6,300
Other .....	3,600	1,400	200	1,300	800
<b>Doctorate</b>					
<b>All occupations, total</b> <sup>2</sup> .....	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
<b>S&amp;E occupations, total</b> .....	417,100	153,800	211,700	14,100	37,600
White .....	336,400	119,500	172,500	12,200	32,200
Black .....	9,500	2,500	5,500	700	800
Hispanic .....	10,200	3,100	6,000	300	800
Asian .....	59,500	28,200	26,800	800	3,600
Other .....	1,500	500	900	S	100

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

**Table E-5. Employed U.S. scientists and engineers, by highest degree attained, occupation, race/ethnicity, and employment sector: 1995**

Highest degree, occupation, and race/ethnicity	Employed S&Es, total	Sector of employment			
		Business/industry	4-yr. College/university	Other educational institution	Government
<b>Doctorate — continued</b>					
<b>Scientists, total</b> .....	347,500	114,100	187,500	13,500	32,500
White .....	288,700	93,300	155,300	11,600	28,500
Black .....	8,500	2,100	5,000	700	700
Hispanic .....	8,500	2,500	5,100	300	500
Asian .....	40,400	15,700	21,300	800	2,600
Other .....	1,400	400	800	S	100
<b>Computer/math scientists, total</b> ....	53,700	21,800	26,100	2,400	3,300
White .....	41,500	16,100	20,600	1,900	2,800
Black .....	1,100	300	700	100	S
Hispanic .....	1,300	400	900	100	S
Asian .....	9,600	5,000	3,800	400	400
Other .....	200	S	100	S	S
<b>Life/related scientists, total</b> .....	102,300	22,900	67,100	2,400	9,900
White .....	83,300	18,000	55,000	2,100	8,200
Black .....	1,900	400	1,200	S	200
Hispanic .....	2,500	600	1,800	100	100
Asian .....	14,300	3,900	9,000	200	1,300
Other .....	200	S	100	S	100
<b>Physical/related scientists, total</b> ...	78,700	30,900	37,400	1,900	8,400
White .....	64,500	24,300	31,000	1,600	7,500
Black .....	1,400	400	600	100	200
Hispanic .....	1,600	500	900	100	100
Asian .....	11,200	5,700	4,800	200	500
Other .....	200	S	100	S	S
<b>Social/related scientists, total</b> .....	112,800	38,400	56,900	6,700	10,900
White .....	99,500	34,900	48,700	6,000	9,900
Black .....	4,100	1,000	2,400	400	300
Hispanic .....	3,100	1,000	1,600	100	300
Asian .....	5,400	1,200	3,800	100	400
Other .....	800	300	400	S	S
<b>Engineers, total</b> .....	69,600	39,700	24,300	600	5,000
White .....	47,600	26,100	17,200	500	3,700
Black .....	1,000	400	500	S	100
Hispanic .....	1,700	600	900	S	200
Asian .....	19,100	12,500	5,500	100	1,000
Other .....	200	100	100	S	S
<b>Non-S&amp;E occupations, total</b> .....	272,800	124,800	82,900	40,000	25,000
White .....	223,400	102,500	67,900	32,300	20,700
Black .....	16,000	3,200	6,100	4,700	2,000
Hispanic .....	9,800	4,900	2,600	1,400	900
Asian .....	22,600	13,900	6,000	1,400	1,400
Other .....	900	400	300	100	100

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

**Table E-5. Employed U.S. scientists and engineers, by highest degree attained, occupation, race/ethnicity, and employment sector: 1995**

Highest degree, occupation, and race/ethnicity	Employed S&Es, total	Sector of employment			
		Business/industry	4-yr. College/university	Other educational institution	Government
<b>Doctorate — continued</b>					
<b>Managers/administrators</b> .....	119,400	63,800	26,800	12,200	16,600
White .....	99,200	52,200	22,900	9,600	14,400
Black .....	7,300	1,600	2,600	1,900	1,200
Hispanic .....	2,800	1,500	600	400	300
Asian .....	9,900	8,300	700	200	700
Other .....	300	200	100	S	S
<b>Other non-S&amp;E occupations</b> .....	153,300	61,000	56,100	27,800	8,400
White .....	124,300	50,300	45,000	22,700	6,300
Black .....	8,700	1,600	3,500	2,800	800
Hispanic .....	7,000	3,300	2,000	1,000	600
Asian .....	12,700	5,500	5,300	1,200	600
Other .....	700	200	300	100	100

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.

**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)