

Table C-11. Employed U.S. scientists and engineers, by level and broad field of highest degree attained, race/ethnicity, and years since degree: 1995

Level and field of highest degree, and race/ethnicity	Employed S&Es, total	Years since degree							
		<5 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35+ years
All degree levels¹									
All degree fields, total	10,114,500	1,785,200	1,774,800	1,746,000	1,644,800	1,398,500	846,000	442,600	476,500
White	8,546,900	1,429,300	1,463,000	1,474,900	1,401,900	1,211,400	739,300	389,400	437,800
Black	527,500	104,800	104,700	93,600	93,600	71,900	32,400	14,200	12,300
Hispanic	328,200	81,500	70,100	61,700	51,700	32,700	13,900	8,700	7,800
Asian	680,400	161,900	132,600	109,500	93,200	78,400	58,100	29,400	17,400
Other	31,500	7,700	4,500	6,200	4,400	4,100	2,300	1,000	1,300
S&E degree fields, total	7,333,100	1,372,700	1,239,800	1,195,700	1,116,700	1,024,400	655,300	345,300	383,200
White	6,136,200	1,086,100	1,008,400	996,100	941,700	881,200	567,600	302,100	352,900
Black	372,800	78,500	67,800	68,000	64,600	51,500	23,500	11,000	7,900
Hispanic	248,600	64,400	51,900	43,700	37,600	25,300	12,300	7,200	6,200
Asian	552,500	137,600	109,000	83,800	69,500	63,300	49,900	24,400	14,900
Other	22,900	6,000	2,800	4,100	3,100	3,200	2,000	600	1,200
Sciences, total	5,476,100	1,071,300	912,700	868,100	865,200	808,000	488,500	228,900	233,500
White	4,613,200	862,500	752,500	725,900	734,000	699,200	426,500	199,500	213,300
Black	327,300	67,800	56,800	58,900	57,500	47,700	21,600	9,800	7,200
Hispanic	182,900	50,400	37,300	30,400	29,000	18,700	8,300	4,600	4,300
Asian	334,200	85,400	64,100	49,800	42,000	39,700	30,400	14,500	8,300
Other	18,400	5,200	2,000	3,200	2,800	2,800	1,700	400	400
Computer/math sciences, total	955,400	178,200	227,800	184,200	112,600	112,500	82,600	35,600	21,900
White	772,700	128,200	178,100	147,400	95,300	96,300	73,900	33,500	20,000
Black	54,900	13,800	13,100	11,100	5,800	6,100	2,600	1,300	1,000
Hispanic	26,100	7,300	7,500	4,600	2,800	2,200	1,100	300	300
Asian	98,700	28,000	28,600	20,300	8,600	7,600	4,500	500	600
Other	3,100	1,000	600	800	100	200	300	S	S
Life/related sciences, total ...	1,127,800	193,900	162,000	174,800	218,600	172,600	98,900	55,600	51,500
White	963,700	159,600	133,600	147,100	192,700	152,700	85,600	46,800	45,600
Black	49,800	8,900	7,800	9,800	8,200	6,000	4,100	3,000	2,000
Hispanic	35,500	6,800	8,100	5,900	6,600	3,900	1,800	1,500	900
Asian	75,200	17,700	12,200	11,300	10,200	9,600	7,000	4,300	2,800
Other	3,700	900	300	700	900	400	200	100	200
Physical/related sciences, total	605,200	92,400	88,300	94,100	86,300	81,300	71,200	43,900	47,700
White	513,800	73,900	73,700	79,900	74,200	68,700	61,900	37,800	43,800
Black	20,300	3,200	4,100	3,400	3,000	2,800	1,800	1,200	700
Hispanic	15,600	3,300	2,400	3,500	1,800	1,700	1,000	700	1,200
Asian	53,100	11,600	7,700	7,100	6,900	7,500	6,300	4,100	1,800
Other	2,400	200	300	300	400	600	300	100	200
Social/related sciences, total	2,787,700	606,900	434,600	415,000	447,700	441,600	235,800	93,800	112,400
White	2,363,000	500,700	367,100	351,500	371,800	381,400	205,100	81,400	103,900
Black	202,400	41,900	31,800	34,700	40,400	32,800	13,000	4,300	3,500
Hispanic	105,800	33,000	19,300	16,400	17,800	10,900	4,300	2,200	1,800
Asian	107,200	28,200	15,600	11,000	16,200	14,900	12,500	5,600	3,200
Other	9,300	3,000	800	1,500	1,400	1,500	800	300	S

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

Table C-11. Employed U.S. scientists and engineers, by level and broad field of highest degree attained, race/ethnicity, and years since degree: 1995

Level and field of highest degree, and race/ethnicity	Employed S&Es, total	Years since degree							
		<5 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35+ years
All degree levels¹ — continued									
Engineering, total	1,856,900	301,400	327,100	327,600	251,500	216,400	166,800	116,400	149,600
White	1,523,100	223,700	255,900	270,200	207,800	182,000	141,100	102,700	139,600
Black	45,500	10,700	11,000	9,100	7,200	3,800	1,900	1,100	700
Hispanic	65,600	14,000	14,600	13,300	8,700	6,600	4,000	2,600	1,900
Asian	218,200	52,200	44,800	34,100	27,500	23,600	19,600	9,900	6,600
Other	4,500	800	700	900	400	400	300	200	800
Non-S&E degree fields, total	2,781,400	412,500	535,100	550,200	528,100	374,100	190,700	97,300	93,400
White	2,410,700	343,200	454,600	478,800	460,200	330,200	171,700	87,200	84,800
Black	154,700	26,200	36,900	25,600	29,000	20,400	8,900	3,300	4,300
Hispanic	79,600	17,200	18,200	18,100	14,100	7,500	1,600	1,500	1,600
Asian	127,900	24,300	23,600	25,700	23,600	15,200	8,100	4,900	2,500
Other	8,600	1,700	1,700	2,100	1,300	900	400	400	100
Bachelor's									
All degree fields, total	5,926,700	1,048,700	1,002,700	991,000	913,500	826,000	507,100	290,100	347,700
White	5,024,700	852,800	833,500	834,600	775,900	716,100	438,500	252,000	321,300
Black	329,400	65,200	61,700	62,700	55,500	43,900	21,400	10,600	8,400
Hispanic	207,500	52,900	43,000	37,700	33,100	20,200	8,900	6,300	5,300
Asian	345,200	73,000	62,100	51,600	46,300	43,200	36,600	20,700	11,700
Other	19,900	4,900	2,300	4,300	2,600	2,600	1,700	500	1,000
S&E degree fields, total	5,408,600	1,026,600	888,100	873,200	808,900	748,100	468,100	267,700	327,900
White	4,577,700	834,600	734,000	732,300	685,500	649,100	405,400	233,100	303,600
Black	301,500	64,300	54,600	56,000	49,600	40,500	19,000	10,100	7,400
Hispanic	193,600	51,300	39,400	34,300	30,400	18,700	8,600	5,900	5,000
Asian	318,500	71,600	58,300	47,100	41,400	37,400	33,500	18,300	11,000
Other	17,400	4,700	1,800	3,400	2,000	2,500	1,600	300	1,000
Sciences, total	4,047,800	829,600	657,700	622,000	622,100	595,500	351,100	174,900	195,000
White	3,426,800	679,900	546,500	519,500	528,100	517,200	306,100	150,700	178,800
Black	263,700	56,200	45,700	48,000	43,500	37,200	17,400	9,100	6,700
Hispanic	143,900	41,200	29,000	23,300	23,400	14,100	5,700	3,800	3,300
Asian	199,400	48,200	35,000	28,600	25,400	24,700	20,600	11,100	5,800
Other	13,900	4,100	1,500	2,600	1,700	2,200	1,300	200	300
Computer/math sciences, total	687,700	122,600	169,900	140,500	75,100	74,600	57,500	28,500	19,000
White	566,400	92,600	136,100	114,800	63,800	63,900	51,300	26,700	17,300
Black	44,800	10,800	11,000	9,800	4,300	4,600	2,100	1,200	1,000
Hispanic	21,400	6,200	6,600	3,700	2,200	1,400	700	300	300
Asian	52,300	12,200	15,700	11,600	4,800	4,500	3,100	200	400
Other	2,600	800	500	700	100	200	300	S	S
Life/related sciences, total ...	820,200	142,200	109,300	124,800	165,600	126,800	67,600	39,900	44,100
White	710,300	119,900	91,000	105,900	147,900	113,900	59,200	32,900	39,500
Black	39,100	7,100	5,600	7,800	6,500	4,300	3,100	2,700	2,000
Hispanic	26,400	5,300	5,900	4,000	5,300	3,000	1,100	1,200	500
Asian	41,900	9,300	6,600	6,400	5,300	5,300	4,100	3,000	1,900
Other	2,600	700	100	500	600	200	100	100	200

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

Table C-11. Employed U.S. scientists and engineers, by level and broad field of highest degree attained, race/ethnicity, and years since degree: 1995

Level and field of highest degree, and race/ethnicity	Employed S&Es, total	Years since degree							
		<5 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35+ years
Bachelor's — continued									
Physical/related sciences, total	374,500	55,200	52,100	60,500	53,700	49,300	37,800	29,900	36,100
White	322,400	46,700	44,900	52,000	47,100	41,400	32,300	25,100	33,100
Black	15,500	2,300	3,500	2,800	2,000	2,000	1,300	1,200	500
Hispanic	11,100	2,300	1,200	2,300	1,500	1,400	500	600	1,200
Asian	23,700	3,700	2,200	3,100	3,000	4,000	3,500	3,000	1,200
Other	1,800	100	300	200	200	500	200	100	200
Social/related sciences, total	2,165,400	509,600	326,400	296,300	327,700	344,900	188,200	76,700	95,800
White	1,827,600	420,800	274,500	246,800	269,400	298,000	163,300	65,900	89,000
Black	164,300	36,000	25,600	27,600	30,700	26,300	10,900	4,000	3,200
Hispanic	85,000	27,400	15,200	13,200	14,400	8,300	3,400	1,800	1,200
Asian	81,500	23,000	10,400	7,500	12,400	11,000	10,000	4,900	2,400
Other	7,000	2,400	600	1,200	800	1,200	600	100	S
Engineering, total	1,360,800	197,000	230,500	251,200	186,800	152,600	117,000	92,800	132,900
White	1,150,900	154,700	187,500	212,900	157,400	131,900	99,300	82,400	124,700
Black	37,700	8,100	8,900	8,100	6,100	3,300	1,600	1,000	700
Hispanic	49,700	10,100	10,400	10,900	7,000	4,600	2,900	2,100	1,700
Asian	119,100	23,400	23,300	18,500	16,000	12,600	12,900	7,200	5,100
Other	3,400	600	300	800	300	300	300	100	700
Non-S&E degree fields, total	518,200	22,100	114,600	117,900	104,600	77,900	39,000	22,300	19,700
White	447,100	18,100	99,500	102,300	90,500	66,900	33,100	18,900	17,700
Black	28,000	900	7,100	6,700	5,900	3,400	2,300	600	1,000
Hispanic	14,000	1,600	3,700	3,500	2,700	1,500	300	400	300
Asian	26,600	1,400	3,800	4,500	4,900	5,900	3,000	2,400	700
Other	2,600	200	500	900	600	200	200	100	S
Master's									
All degree fields, total	2,656,800	492,600	511,300	476,100	460,900	364,200	213,600	81,900	56,100
White	2,216,900	388,400	417,900	399,100	389,000	310,000	188,100	74,000	50,400
Black	137,800	27,400	28,300	21,800	27,500	20,800	8,500	1,900	1,600
Hispanic	75,900	17,900	17,200	15,900	11,700	8,500	2,900	1,000	800
Asian	219,300	57,300	46,700	38,100	31,500	24,200	13,800	4,600	3,200
Other	7,000	1,700	1,300	1,200	1,200	700	300	300	200
S&E degree fields, total	1,359,300	238,400	254,100	234,900	224,400	195,600	126,600	50,100	35,200
White	1,100,400	175,700	198,100	191,400	186,200	162,700	109,800	45,100	31,500
Black	58,100	10,100	10,200	10,000	13,300	9,600	3,700	700	400
Hispanic	38,900	9,000	9,100	7,000	5,200	4,900	2,400	800	500
Asian	158,300	42,700	36,000	26,000	19,100	18,000	10,500	3,400	2,700
Other	3,600	900	700	400	700	400	200	200	100
Sciences, total	953,500	154,600	176,500	168,800	170,000	144,400	88,100	30,200	20,900
White	790,400	118,600	142,100	141,100	142,600	121,700	77,600	27,900	18,800
Black	51,500	7,800	8,500	9,200	12,500	9,300	3,500	500	300
Hispanic	25,400	5,800	5,700	4,800	3,800	3,300	1,300	300	400
Asian	83,500	21,600	19,900	13,400	10,500	9,800	5,400	1,400	1,500
Other	2,700	700	300	300	700	300	200	100	S

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

Table C-11. Employed U.S. scientists and engineers, by level and broad field of highest degree attained, race/ethnicity, and years since degree: 1995

Level and field of highest degree, and race/ethnicity	Employed S&Es, total	Years since degree							
		<5 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35+ years
Master's — continued									
Computer/math sciences, total	230,700	45,800	52,100	38,900	32,900	32,400	20,900	5,600	2,100
White	177,500	29,400	37,600	28,800	27,600	27,700	18,900	5,400	2,100
Black	9,200	2,500	2,000	1,300	1,400	1,400	500	100	S
Hispanic	3,500	700	800	700	400	600	300	S	S
Asian	40,200	13,100	11,600	8,000	3,300	2,700	1,200	200	100
Other	400	100	100	100	100	S	100	S	S
Life/related sciences, total ...	149,400	20,900	25,400	23,000	29,000	24,200	16,400	8,400	2,100
White	124,600	17,000	20,500	19,100	24,600	20,200	13,900	7,700	1,600
Black	7,100	800	1,200	1,500	1,300	1,200	900	200	S
Hispanic	3,600	700	1,000	700	600	400	200	100	S
Asian	13,400	2,100	2,700	1,700	2,400	2,200	1,400	400	400
Other	700	200	100	S	200	200	100	S	S
Physical/related sciences, total	112,200	19,900	18,400	15,900	16,300	15,000	16,500	5,400	4,800
White	94,700	15,600	15,300	13,400	13,700	12,600	14,800	5,000	4,400
Black	3,200	500	400	300	900	600	400	S	100
Hispanic	2,300	500	700	900	S	100	200	S	S
Asian	11,700	3,300	2,000	1,300	1,700	1,600	1,100	400	300
Other	300	100	100	S	100	100	S	S	S
Social/related sciences, total	461,100	68,000	80,600	91,000	91,800	72,800	34,200	10,800	11,900
White	393,600	56,500	68,800	79,800	76,700	61,200	30,100	9,800	10,700
Black	32,100	4,000	4,900	6,100	8,900	6,000	1,700	200	200
Hispanic	16,000	3,900	3,200	2,500	2,800	2,300	700	200	400
Asian	18,200	3,100	3,600	2,400	3,100	3,200	1,700	400	600
Other	1,300	400	100	200	300	100	100	100	S
Engineering, total	405,800	83,900	77,600	66,000	54,400	51,200	38,500	19,900	14,300
White	310,000	57,100	56,000	50,300	43,600	40,900	32,100	17,200	12,800
Black	6,600	2,300	1,700	900	900	400	200	100	100
Hispanic	13,500	3,200	3,400	2,200	1,400	1,600	1,000	500	200
Asian	74,800	21,100	16,100	12,600	8,600	8,200	5,100	2,000	1,200
Other	900	200	400	100	S	100	S	100	100
Non-S&E degree fields, total	1,297,500	254,200	257,200	241,200	236,500	168,600	86,900	31,800	20,900
White	1,116,500	212,800	219,800	207,700	202,800	147,300	78,300	28,900	18,800
Black	79,700	17,200	18,000	11,800	14,200	11,100	4,800	1,200	1,300
Hispanic	37,000	8,800	8,100	8,800	6,600	3,600	500	300	300
Asian	61,000	14,600	10,700	12,100	12,400	6,200	3,300	1,200	500
Other	3,300	800	600	800	500	300	100	200	100
Doctorate									
All degree fields, total	689,900	148,600	117,800	104,900	101,800	95,600	68,300	30,500	22,400
White	559,800	108,800	90,400	86,600	84,200	82,700	60,500	26,800	19,800
Black	25,500	7,600	6,300	4,200	4,000	2,300	500	200	400
Hispanic	20,000	5,800	3,800	2,500	3,500	1,700	1,300	700	700
Asian	82,200	25,800	16,800	11,300	9,800	8,500	5,800	2,700	1,400
Other	2,500	600	300	300	500	400	200	100	100

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	Years since degree							
		<5 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35+ years
Doctorate — continued									
S&E degree fields, total	557,400	104,800	95,600	86,900	82,300	80,300	60,200	27,300	19,900
White	451,200	73,200	74,400	71,600	69,000	69,000	52,500	23,900	17,600
Black	13,000	4,100	2,900	1,900	1,700	1,400	500	200	200
Hispanic	15,900	3,900	3,300	2,400	2,100	1,600	1,300	400	700
Asian	75,300	23,300	14,700	10,700	9,100	7,900	5,700	2,700	1,200
Other	1,900	300	300	200	400	400	200	100	100
Sciences, total	467,000	84,200	76,600	76,500	72,000	67,700	48,900	23,600	17,400
White	389,000	61,300	62,000	64,500	62,200	59,800	42,800	20,900	15,500
Black	11,900	3,800	2,600	1,800	1,600	1,200	500	200	200
Hispanic	13,400	3,300	2,600	2,200	1,800	1,200	1,300	400	600
Asian	51,000	15,500	9,300	7,700	6,100	5,200	4,200	2,100	1,000
Other	1,700	300	200	200	400	300	200	100	100
Computer/math sciences, total	36,900	9,700	5,800	4,800	4,600	5,500	4,100	1,500	800
White	28,700	6,100	4,300	3,800	3,900	4,800	3,700	1,300	700
Black	900	500	100	100	100	100	S	S	S
Hispanic	1,100	400	100	100	100	200	100	S	S
Asian	6,200	2,600	1,300	800	500	400	300	100	100
Other	100	S	S	S	S	S	S	S	S
Life/related sciences, total	157,200	29,700	27,400	27,000	24,000	21,600	14,900	7,300	5,300
White	127,900	21,800	22,100	22,100	20,200	18,600	12,600	6,100	4,400
Black	3,600	1,000	1,000	500	400	400	200	100	S
Hispanic	5,500	800	1,200	1,100	700	500	600	300	400
Asian	19,700	6,100	2,900	3,200	2,600	2,100	1,500	900	500
Other	500	100	100	100	100	S	S	S	S
Physical/related sciences, total	118,100	16,900	17,800	17,700	16,300	17,100	17,000	8,600	6,800
White	96,300	11,300	13,600	14,500	13,400	14,700	14,700	7,800	6,300
Black	1,600	500	300	300	200	200	100	S	100
Hispanic	2,200	500	400	200	300	300	400	100	S
Asian	17,700	4,600	3,500	2,600	2,300	1,900	1,700	800	300
Other	300	S	S	S	S	S	100	S	S
Social/related sciences, total	154,800	27,900	25,700	27,000	27,100	23,500	13,000	6,200	4,600
White	136,100	22,200	22,000	24,100	24,600	21,700	11,800	5,600	4,100
Black	5,800	1,900	1,300	900	900	500	200	100	100
Hispanic	4,500	1,600	800	700	600	300	300	S	200
Asian	7,300	2,100	1,500	1,100	700	700	700	300	100
Other	900	200	100	100	300	200	100	S	S
Engineering, total	90,300	20,600	19,000	10,400	10,300	12,600	11,200	3,700	2,400
White	62,200	11,800	12,500	7,100	6,800	9,200	9,700	3,000	2,100
Black	1,200	300	400	200	200	200	S	S	S
Hispanic	2,500	600	800	200	300	400	S	100	100
Asian	24,300	7,800	5,400	3,000	3,000	2,700	1,500	700	200
Other	200	S	S	S	S	100	S	S	S

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

Table C-11. Employed U.S. scientists and engineers, by level and broad field of highest degree attained, race/ethnicity, and years since degree: 1995

Level and field of highest degree, and race/ethnicity	Employed S&Es, total	Years since degree							
		<5 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35+ years
Doctorate — continued									
Non-S&E degree fields, total	132,600	43,800	22,100	18,000	19,500	15,300	8,100	3,200	2,600
White	108,600	35,600	16,000	15,000	15,200	13,700	8,000	2,900	2,200
Black	12,500	3,600	3,400	2,200	2,200	900	S	S	200
Hispanic	4,100	1,800	500	100	1,400	100	S	200	S
Asian	6,900	2,500	2,200	600	700	600	100	S	200
Other	600	300	100	100	100	100	S	S	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)