

**Table D-11. U.S. scientists and engineers, by highest degree attained, occupation, sex, and race: 1995**

Highest degree and occupation	S&Es, total	Sex		Race/ethnicity				
		Male	Female	White	Black	Hispanic	Asian	Other
<b>All degree levels<sup>1</sup></b>								
<b>All occupations, total<sup>2</sup></b> .....	11,987,100	7,892,900	4,094,200	10,187,500	600,800	377,800	783,300	37,700
<b>S&amp;E occupations, total</b> .....	3,708,400	2,873,000	835,500	3,138,900	119,100	102,000	338,100	10,400
<b>Scientists, total</b> .....	2,096,500	1,394,900	701,500	1,767,400	81,600	55,700	185,700	6,100
<b>Computer/math sci, total</b> .....	1,037,000	724,000	313,000	860,400	42,000	25,300	107,000	2,400
Computer/information scientists .....	907,800	640,100	267,700	752,900	35,100	22,700	95,600	1,600
Mathematical scientists .....	47,000	30,600	16,400	39,300	3,200	800	3,200	500
Postsecondary teachers- computer math sci .....	82,200	53,300	29,000	68,200	3,700	1,800	8,200	300
<b>Life/related scientists, total</b> .....	364,700	234,500	130,200	306,000	12,300	10,600	34,900	1,000
Agricultural/food scientists .....	51,500	37,900	13,700	44,700	1,900	1,900	2,900	S
Biological scientists .....	201,600	117,600	84,000	162,100	6,700	6,300	25,900	600
Environmental life scientists .....	25,000	21,400	3,600	24,200	100	300	300	100
Postsecondary teachers- life/related sciences .....	86,500	57,600	29,000	75,000	3,500	2,000	5,800	100
<b>Physical/related scientists, total</b> .....	331,000	255,200	75,800	282,500	9,100	8,300	30,100	1,000
Chemistry, except biochemistry .....	138,000	99,200	38,800	111,700	6,300	3,200	16,500	400
Earth scientists/ geologists/oceanographers .....	84,200	69,000	15,200	76,700	700	2,300	4,200	400
Physicists/astronomers .....	35,400	31,300	4,100	30,600	300	500	3,900	100
Other physical/related scientists .....	19,200	13,700	5,500	17,200	300	600	1,000	S
Postsecondary teachers- physical/related sci .....	54,100	42,000	12,200	46,300	1,500	1,700	4,500	200
<b>Social/related scientists, total</b> .....	363,800	181,300	182,500	318,600	18,200	11,600	13,700	1,700
Economists .....	40,100	28,800	11,300	34,100	1,500	2,100	2,300	200
Political/related scientists .....	10,900	6,200	4,700	8,800	300	800	900	S
Psychologists .....	188,100	72,500	115,600	168,800	9,000	5,400	3,900	1,000
Sociologists/anthropologists .....	19,000	9,300	9,700	17,100	900	300	700	100
Other social/related scientists .....	15,400	7,400	7,900	13,100	1,100	400	700	S
Postsecondary teachers- social/related sci .....	90,300	57,000	33,300	76,600	5,400	2,500	5,200	500
<b>Engineers, total</b> .....	1,611,900	1,478,000	133,900	1,371,500	37,500	46,300	152,400	4,300
Aerospace/related engineers .....	99,300	92,900	6,300	86,900	1,800	3,400	6,700	400
Chemical engineers .....	90,200	78,900	11,300	75,900	2,600	2,600	9,100	S
Civil/architectural engineers .....	238,400	218,100	20,300	200,000	3,800	8,000	26,100	500
Electrical/related engineers .....	421,700	397,000	24,700	343,100	12,600	13,700	51,400	1,000
Industrial engineers .....	87,500	76,300	11,200	77,100	3,500	2,300	4,200	300
Mechanical engineers .....	307,300	290,400	16,900	267,100	6,300	7,700	24,800	1,400
Other engineers .....	329,900	289,700	40,200	292,100	6,000	7,300	24,000	600
Postsecondary teachers-engineers ..	37,700	34,800	2,900	29,200	1,000	1,300	6,200	100
<b>Non-S&amp;E occupations, total</b> .....	8,278,700	5,020,000	3,258,700	7,048,600	481,700	275,800	445,200	27,300
Managers/administrators .....	2,245,900	1,650,100	595,900	1,950,700	118,900	66,000	103,900	6,400
Health/related .....	863,800	471,100	392,700	720,100	45,200	31,300	63,800	3,400
Teachers, except S&E postsecondary ..	901,300	356,300	545,000	766,500	70,700	34,600	26,800	2,600
Sales/marketing .....	1,035,400	701,000	334,400	910,900	35,500	28,400	58,000	2,500
Other non-S&E occupations .....	3,232,400	1,841,500	1,390,800	2,700,400	211,300	115,500	192,700	12,400

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

**Table D-11. U.S. scientists and engineers, by highest degree attained, occupation, sex, and race: 1995**

Highest degree and occupation	S&Es, total	Sex		Race/ethnicity				
		Male	Female	White	Black	Hispanic	Asian	Other
<b>Bachelor's</b>								
<b>All occupations, total</b> <sup>2</sup> .....	7,186,800	4,638,200	2,548,600	6,131,500	379,900	241,300	410,100	24,000
<b>S&amp;E occupations, total</b> .....	2,182,200	1,730,900	451,300	1,890,100	79,300	62,500	144,000	6,300
<b>Scientists, total</b> .....	1,068,000	709,700	358,400	911,700	50,300	31,300	71,700	3,000
<b>Computer/math sci, total</b> .....	681,300	467,100	214,200	580,300	31,000	18,700	49,800	1,600
Computer/information scientists .....	643,100	444,600	198,500	548,300	27,900	17,900	47,800	1,100
Mathematical scientists .....	21,800	13,600	8,100	18,600	1,900	400	400	500
Postsecondary teachers-computer math sci .....	16,500	8,900	7,600	13,400	1,200	300	1,500	S
<b>Life/related scientists, total</b> .....	151,600	91,600	60,000	129,700	6,100	5,600	10,000	300
Agricultural/food scientists .....	28,900	19,800	9,100	25,500	1,500	1,100	700	S
Biological scientists .....	87,100	47,000	40,100	71,700	4,100	3,700	7,500	100
Environmental life scientists .....	16,300	14,100	2,200	15,700	100	200	200	100
Postsecondary teachers-life/related sciences .....	19,200	10,700	8,500	16,800	400	500	1,500	S
<b>Physical/related scientists, total</b> .....	158,200	114,000	44,200	138,500	6,400	4,000	8,600	600
Chemistry, except biochemistry .....	82,400	55,500	26,900	69,400	4,900	1,800	6,100	300
Earth scientists/geologists/oceanographers .....	42,900	35,300	7,600	39,800	300	1,100	1,400	200
Physicists/astronomers .....	9,800	8,600	1,200	9,000	200	200	200	100
Other physical/related scientists .....	10,300	6,700	3,600	9,500	200	400	100	S
Postsecondary teachers-physical/related sci .....	12,800	7,900	4,900	10,700	800	500	700	S
<b>Social/related scientists, total</b> .....	76,900	37,000	39,900	63,200	6,800	3,000	3,400	500
Economists .....	14,700	9,900	4,800	13,400	600	400	200	100
Political/related scientists .....	6,100	3,400	2,700	5,100	200	300	400	S
Psychologists .....	32,500	11,900	20,700	25,500	3,400	1,700	1,700	300
Sociologists/anthropologists .....	9,600	4,500	5,000	8,400	600	200	300	100
Other social/related scientists .....	5,100	2,300	2,900	3,900	700	300	300	S
Postsecondary teachers-social/related sci .....	8,900	5,000	3,900	6,900	1,300	200	600	S
<b>Engineers, total</b> .....	1,114,100	1,021,200	92,900	978,400	29,000	31,100	72,300	3,300
Aerospace/related engineers .....	61,900	57,500	4,400	55,400	1,200	2,000	3,100	200
Chemical engineers .....	58,600	50,900	7,800	50,600	1,800	1,600	4,500	S
Civil/architectural engineers .....	174,900	159,400	15,500	152,000	3,000	5,700	13,800	400
Electrical/related engineers .....	289,600	272,700	16,900	243,200	9,900	9,400	26,200	800
Industrial engineers .....	67,300	59,200	8,100	59,800	3,300	1,900	2,200	200
Mechanical engineers .....	234,000	221,900	12,100	210,500	5,100	5,600	11,600	1,100
Other engineers .....	220,700	193,200	27,500	201,200	4,300	4,800	9,900	500
Postsecondary teachers-engineers ..	7,200	6,600	600	5,800	300	100	1,000	S
<b>Non-S&amp;E occupations, total</b> .....	5,004,600	2,907,300	2,097,300	4,241,400	300,600	178,800	266,100	17,800
Managers/administrators .....	1,276,300	934,000	342,300	1,121,300	60,800	40,100	49,800	4,400
Health/related .....	324,500	98,900	225,600	259,400	23,200	13,700	26,600	1,600
Teachers, except S&E postsecondary ..	411,700	132,500	279,200	344,600	34,900	18,900	12,100	1,200
Sales/marketing .....	823,900	548,700	275,200	729,400	26,800	23,900	42,000	1,800
Other non-S&E occupations .....	2,168,100	1,193,200	974,900	1,786,800	154,800	82,200	135,600	8,700

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

**Table D-11. U.S. scientists and engineers, by highest degree attained, occupation, sex, and race: 1995**

Highest degree and occupation	S&Es, total	Sex		Race/ethnicity				
		Male	Female	White	Black	Hispanic	Asian	Other
<b>Master's</b>								
<b>All occupations, total</b> <sup>2</sup> .....	3,114,600	1,978,400	1,136,100	2,615,700	155,500	87,600	247,500	8,200
<b>S&amp;E occupations, total</b> .....	1,021,400	752,200	269,300	836,900	27,600	26,900	127,700	2,400
<b>Scientists, total</b> .....	606,100	372,000	234,100	502,500	20,200	13,900	67,900	1,600
<b>Computer/math sci, total</b> .....	293,300	205,800	87,600	231,300	9,400	5,100	46,900	600
Computer/information scientists .....	237,900	173,100	64,800	184,100	6,500	4,200	42,700	400
Mathematical scientists .....	16,600	10,100	6,600	14,000	1,200	100	1,300	100
Postsecondary teachers- computer math sci .....	38,800	22,700	16,200	33,200	1,800	800	2,900	200
<b>Life/related scientists, total</b> .....	77,600	42,500	35,000	65,500	2,800	1,300	7,500	300
Agricultural/food scientists .....	11,100	8,200	2,900	9,900	300	100	800	S
Biological scientists .....	39,800	19,200	20,600	32,100	1,200	600	5,500	300
Environmental life scientists .....	7,400	6,200	1,200	7,300	S	100	S	S
Postsecondary teachers- life/related sciences .....	19,200	9,000	10,300	16,300	1,300	500	1,200	S
<b>Physical/related scientists, total</b> .....	81,300	61,200	20,100	68,300	1,300	2,400	9,000	300
Chemistry, except biochemistry .....	25,200	17,900	7,300	19,400	800	600	4,300	100
Earth scientists/ geologists/oceanographers .....	29,100	22,900	6,200	26,100	200	1,000	1,700	100
Physicists/astronomers .....	9,600	7,800	1,900	8,400	S	100	1,200	S
Other physical/related scientists .....	5,500	4,000	1,500	4,700	S	200	600	S
Postsecondary teachers- physical/related sci .....	11,800	8,600	3,200	9,700	200	600	1,300	100
<b>Social/related scientists, total</b> .....	153,900	62,500	91,300	137,400	6,600	5,100	4,400	400
Economists .....	17,500	12,600	4,900	14,400	800	1,300	1,000	100
Political/related scientists .....	3,300	1,600	1,600	2,400	S	400	400	S
Psychologists .....	99,100	31,300	67,800	91,600	3,800	2,300	1,100	300
Sociologists/anthropologists .....	5,500	2,300	3,200	5,000	100	100	300	S
Other social/related scientists .....	5,500	2,700	2,700	5,000	200	S	300	S
Postsecondary teachers- social/related sci .....	23,000	11,900	11,100	19,000	1,800	900	1,200	100
<b>Engineers, total</b> .....	415,300	380,200	35,200	334,400	7,400	13,000	59,800	800
Aerospace/related engineers .....	32,400	30,700	1,700	27,700	500	1,400	2,600	100
Chemical engineers .....	24,300	21,700	2,600	20,100	600	800	2,700	S
Civil/architectural engineers .....	58,200	53,700	4,500	44,500	700	2,200	10,800	100
Electrical/related engineers .....	115,900	108,800	7,100	89,000	2,500	3,900	20,400	100
Industrial engineers .....	19,100	16,200	2,900	16,600	200	400	1,800	100
Mechanical engineers .....	64,200	60,000	4,200	51,100	1,100	1,600	10,100	300
Other engineers .....	89,900	79,000	10,900	76,400	1,400	2,100	9,800	100
Postsecondary teachers-engineers ..	11,200	10,100	1,100	8,800	200	600	1,600	S
<b>Non-S&amp;E occupations, total</b> .....	2,093,100	1,226,200	866,900	1,778,900	128,000	60,700	119,800	5,800
Managers/administrators .....	781,700	569,000	212,700	670,400	46,600	21,200	42,400	1,200
Health/related .....	100,300	26,600	73,700	83,700	4,900	3,100	8,200	400
Teachers, except S&E postsecondary	394,800	168,600	226,200	342,800	29,800	12,200	9,000	1,100
Sales/marketing .....	191,100	136,400	54,700	165,000	7,500	3,700	14,300	500
Other non-S&E occupations .....	625,200	325,600	299,600	516,900	39,100	20,500	46,000	2,600

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

**Table D-11. U.S. scientists and engineers, by highest degree attained, occupation, sex, and race: 1995**

Highest degree and occupation	S&Es, total	Sex		Race/ethnicity				
		Male	Female	White	Black	Hispanic	Asian	Other
<b>Doctorate</b>								
<b>All occupations, total</b> <sup>2</sup> .....	778,400	588,500	189,800	636,100	27,900	22,400	89,200	2,800
<b>S&amp;E occupations, total</b> .....	468,500	364,000	104,500	381,100	10,300	11,400	64,200	1,600
<b>Scientists, total</b> .....	389,900	291,100	98,800	325,900	9,200	9,400	43,900	1,400
<b>Computer/math sci, total</b> .....	59,000	48,000	11,000	46,100	1,200	1,500	10,100	200
Computer/information scientists .....	23,700	19,600	4,100	17,800	400	600	4,900	100
Mathematical scientists .....	8,600	6,900	1,700	6,800	100	300	1,500	S
Postsecondary teachers- computer math sci .....	26,800	21,500	5,200	21,500	700	700	3,700	100
<b>Life/related scientists, total</b> .....	116,300	85,800	30,500	95,300	2,200	2,900	15,600	200
Agricultural/food scientists .....	11,400	9,800	1,600	9,300	100	600	1,400	S
Biological scientists .....	65,800	46,000	19,700	50,900	1,200	1,800	11,700	200
Environmental life scientists .....	1,300	1,100	100	1,200	S	S	S	S
Postsecondary teachers- life/related sciences .....	37,900	28,800	9,100	33,800	1,000	500	2,500	S
<b>Physical/related scientists, total</b> ...	90,800	79,800	11,000	75,000	1,400	1,800	12,400	200
Chemistry, except biochemistry .....	30,300	25,700	4,600	22,800	600	800	6,100	100
Earth scientists/ geologists/oceanographers .....	12,300	10,900	1,400	10,800	200	100	1,100	S
Physicists/astronomers .....	16,000	14,900	1,100	13,200	100	200	2,500	S
Other physical/related scientists .....	3,300	3,000	300	2,900	S	100	300	S
Postsecondary teachers- physical/related sci .....	28,900	25,400	3,600	25,300	500	600	2,400	100
<b>Social/related scientists, total</b> .....	123,700	77,400	46,300	109,700	4,300	3,200	5,800	800
Economists .....	7,800	6,200	1,600	6,200	100	400	1,000	100
Political/related scientists .....	1,600	1,200	400	1,300	S	100	100	S
Psychologists .....	50,700	26,800	23,900	46,900	1,400	1,200	900	300
Sociologists/anthropologists .....	4,000	2,400	1,500	3,700	100	S	100	S
Other social/related scientists .....	3,900	2,400	1,500	3,300	200	200	200	S
Postsecondary teachers- social/related sci .....	55,800	38,400	17,400	48,200	2,300	1,400	3,500	400
<b>Engineers, total</b> .....	78,700	72,900	5,700	55,200	1,100	2,000	20,300	200
Aerospace/related engineers .....	4,800	4,700	200	3,700	S	100	1,100	S
Chemical engineers .....	7,200	6,300	900	5,100	100	200	1,800	S
Civil/architectural engineers .....	4,300	4,000	300	2,500	100	100	1,500	S
Electrical/related engineers .....	15,000	14,400	600	9,800	100	300	4,800	S
Industrial engineers .....	900	800	100	600	S	S	200	S
Mechanical engineers .....	8,800	8,100	700	5,300	100	400	3,000	S
Other engineers .....	18,600	16,800	1,800	13,700	200	300	4,300	S
Postsecondary teachers-engineers ..	19,100	17,900	1,200	14,400	400	600	3,600	100

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

**Table D-11. U.S. scientists and engineers, by highest degree attained, occupation, sex, and race: 1995**

Highest degree and occupation	S&Es, total	Sex		Race/ethnicity				
		Male	Female	White	Black	Hispanic	Asian	Other
<b>Doctorate — continued</b>								
<b>Non-S&amp;E occupations, total</b> .....	309,800	224,500	85,300	255,000	17,600	11,000	25,100	1,200
Managers/administrators .....	131,700	106,600	25,100	110,500	7,400	3,000	10,400	500
Health/related .....	25,800	18,500	7,300	18,000	1,100	1,800	4,900	100
Teachers, except S&E postsecondary .....	77,000	44,400	32,600	63,700	5,300	2,800	4,900	300
Sales/marketing .....	9,300	7,400	2,000	7,500	100	700	800	200
Other non-S&E occupations .....	66,000	47,700	18,300	55,200	3,800	2,700	4,100	200

1 Includes professional degrees

2 Total excludes 49,100 individuals who reported never having worked. For unemployed individuals, occupation is for their previous reported job.

**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)