

**Table D-13. U.S. scientists and engineers, by highest degree attained, broad occupation, and citizenship status: 1995**

Highest degree and occupation	S&Es, total	U.S. citizen			Non-U.S. citizen		
		Total <sup>1</sup>	Native	Naturalized	Total <sup>2</sup>	Permanent resident	Temporary resident
<b>All degree levels<sup>3</sup></b>							
<b>All occupations, total<sup>4</sup></b> .....	11,987,100	11,548,300	10,653,900	894,400	438,800	365,700	72,100
<b>S&amp;E occupations, total</b> .....	3,708,400	3,505,900	3,159,800	346,100	202,500	156,100	46,000
<b>Scientists, total</b> .....	2,096,500	1,967,200	1,798,400	168,800	129,300	99,400	29,400
<b>Computer/math sci, total</b> .....	1,037,000	976,700	884,400	92,300	60,300	47,700	12,400
Computer/information scientists .....	907,800	858,400	776,200	82,200	49,400	40,200	9,200
Mathematical scientists .....	47,000	44,200	41,300	2,800	2,900	2,100	700
Postsecondary teachers-computer math sci .....	82,200	74,200	67,000	7,200	8,000	5,400	2,500
<b>Life/related scientists, total</b> .....	364,700	338,400	308,500	29,900	26,300	19,400	6,800
Agricultural/food scientists .....	51,500	48,700	46,300	2,400	2,800	2,000	800
Biological scientists .....	201,600	183,800	162,500	21,300	17,800	13,200	4,500
Environmental life scientists .....	25,000	24,800	24,700	100	300	300	S
Postsecondary teachers-life/related sciences .....	86,500	81,100	75,000	6,100	5,400	3,900	1,500
<b>Physical/related scientists, total</b> .....	331,000	305,500	275,800	29,700	25,500	19,900	5,700
Chemistry, except biochemistry .....	138,000	127,500	111,500	16,000	10,500	8,900	1,600
Earth scientists/geologists/oceanographers .....	84,200	80,700	76,300	4,400	3,500	2,700	800
Physicists/astronomers .....	35,400	31,300	27,700	3,500	4,200	2,900	1,300
Other physical/related scientists .....	19,200	18,100	17,200	900	1,100	900	200
Postsecondary teachers-physical/related sci .....	54,100	47,900	43,000	4,800	6,300	4,500	1,800
<b>Social/related scientists, total</b> .....	363,800	346,600	329,600	17,000	17,200	12,400	4,600
Economists .....	40,100	35,700	33,300	2,400	4,400	2,600	1,800
Political/related scientists .....	10,900	10,100	9,400	700	800	500	300
Psychologists .....	188,100	184,100	176,400	7,700	3,900	3,400	500
Sociologists/anthropologists .....	19,000	18,300	17,700	500	800	500	300
Other social/related scientists .....	15,400	14,800	14,200	500	600	500	100
Postsecondary teachers-social/related sci .....	90,300	83,600	78,600	5,000	6,700	4,900	1,500
<b>Engineers, total</b> .....	1,611,900	1,538,700	1,361,400	177,300	73,200	56,600	16,500
Aerospace/related engineers .....	99,300	97,600	86,900	10,700	1,600	1,300	300
Chemical engineers .....	90,200	85,800	75,200	10,600	4,300	3,400	900
Civil/architectural engineers .....	238,400	227,000	195,900	31,100	11,400	8,400	3,000
Electrical/related engineers .....	421,700	399,000	344,300	54,700	22,700	18,200	4,500
Industrial engineers .....	87,500	85,200	79,800	5,400	2,200	1,900	300
Mechanical engineers .....	307,300	294,900	262,100	32,800	12,500	10,000	2,500
Other engineers .....	329,900	317,000	291,300	25,700	12,900	9,700	3,200
Postsecondary teachers-engineers ..	37,700	32,100	25,900	6,300	5,500	3,800	1,800
<b>Non-S&amp;E occupations, total</b> .....	8,278,700	8,042,400	7,494,100	548,200	236,300	209,700	26,100
Managers/administrators .....	2,245,900	2,185,100	2,040,500	144,600	60,900	54,300	6,500
Health/related .....	863,800	840,800	761,000	79,800	23,000	20,300	2,800
Teachers, except S&E postsecondary .....	901,300	881,000	839,800	41,100	20,300	17,000	3,300
Sales/marketing .....	1,035,400	1,001,800	932,500	69,300	33,600	30,500	3,100
Other non-S&E occupations .....	3,232,400	3,133,800	2,920,400	213,400	98,600	87,600	10,500

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

**Table D-13. U.S. scientists and engineers, by highest degree attained, broad occupation, and citizenship status: 1995**

Highest degree and occupation	S&Es, total	U.S. citizen			Non-U.S. citizen		
		Total <sup>1</sup>	Native	Naturalized	Total <sup>2</sup>	Permanent resident	Temporary resident
<b>Bachelor's</b>							
<b>All occupations, total<sup>4</sup></b> .....	7,186,800	6,992,800	6,502,100	490,800	193,900	172,700	20,900
<b>S&amp;E occupations, total</b> .....	2,182,200	2,124,600	1,954,300	170,300	57,500	48,600	8,800
<b>Scientists, total</b> .....	1,068,000	1,035,800	963,900	71,900	32,200	26,300	5,700
<b>Computer/math sci, total</b> .....	681,300	661,400	610,000	51,400	19,900	18,000	1,800
Computer/information scientists .....	643,100	624,500	574,400	50,000	18,600	16,900	1,700
Mathematical scientists .....	21,800	21,300	20,600	700	500	500	S
Postsecondary teachers-computer math sci .....	16,500	15,700	15,000	700	800	500	100
<b>Life/related scientists, total</b> .....	151,600	147,800	139,700	8,000	3,800	2,100	1,800
Agricultural/food scientists .....	28,900	28,500	27,600	900	400	400	S
Biological scientists .....	87,100	84,900	78,300	6,700	2,200	1,200	1,000
Environmental life scientists .....	16,300	16,100	16,100	S	200	200	S
Postsecondary teachers-life/related sciences .....	19,200	18,200	17,700	500	1,000	300	700
<b>Physical/related scientists, total</b> .....	158,200	152,400	142,300	10,100	5,800	4,400	1,300
Chemistry, except biochemistry .....	82,400	79,300	72,800	6,500	3,100	2,700	400
Earth scientists/geologists/oceanographers .....	42,900	42,100	40,100	2,000	700	600	100
Physicists/astronomers .....	9,800	9,400	8,900	500	400	400	S
Other physical/related scientists .....	10,300	10,100	9,800	200	200	100	100
Postsecondary teachers-physical/related sci .....	12,800	11,600	10,800	800	1,300	600	700
<b>Social/related scientists, total</b> .....	76,900	74,200	71,700	2,500	2,700	1,900	800
Economists .....	14,700	13,900	13,700	200	800	600	200
Political/related scientists .....	6,100	5,700	5,500	100	400	100	200
Psychologists .....	32,500	31,600	30,100	1,500	900	700	200
Sociologists/anthropologists .....	9,600	9,100	8,800	300	400	300	100
Other social/related scientists .....	5,100	5,100	5,000	100	S	S	S
Postsecondary teachers-social/related sci .....	8,900	8,700	8,500	200	200	200	S
<b>Engineers, total</b> .....	1,114,100	1,088,800	990,500	98,400	25,300	22,300	3,000
Aerospace/related engineers .....	61,900	61,100	55,500	5,600	800	800	S
Chemical engineers .....	58,600	57,000	52,200	4,700	1,700	1,400	300
Civil/architectural engineers .....	174,900	170,200	152,700	17,500	4,700	4,300	300
Electrical/related engineers .....	289,600	281,200	249,000	32,200	8,400	7,200	1,100
Industrial engineers .....	67,300	66,100	62,000	4,100	1,200	1,100	100
Mechanical engineers .....	234,000	229,400	210,000	19,500	4,500	4,000	500
Other engineers .....	220,700	217,300	203,500	13,800	3,400	3,100	200
Postsecondary teachers-engineers ..	7,200	6,600	5,600	1,000	600	200	400
<b>Non-S&amp;E occupations, total</b> .....	5,004,600	4,868,200	4,547,800	320,500	136,400	124,000	12,100
Managers/administrators .....	1,276,300	1,246,000	1,174,000	72,000	30,300	27,300	3,000
Health/related .....	324,500	316,200	282,800	33,400	8,400	6,900	1,500
Teachers, except S&E postsecondary .....	411,700	403,100	386,400	16,600	8,700	8,200	500
Sales/marketing .....	823,900	800,100	750,400	49,700	23,900	22,000	1,900
Other non-S&E occupations .....	2,168,100	2,102,900	1,954,200	148,700	65,200	59,600	5,300

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

**Table D-13. U.S. scientists and engineers, by highest degree attained, broad occupation, and citizenship status: 1995**

Highest degree and occupation	S&Es, total	U.S. citizen			Non-U.S. citizen		
		Total <sup>1</sup>	Native	Naturalized	Total <sup>2</sup>	Permanent resident	Temporary resident
<b>Master's</b>							
<b>All occupations, total<sup>4</sup></b> .....	3,114,600	2,961,900	2,703,900	258,000	152,700	114,700	37,700
<b>S&amp;E occupations, total</b> .....	1,021,400	937,300	824,700	112,700	84,100	57,300	26,600
<b>Scientists, total</b> .....	606,100	555,600	505,200	50,400	50,500	35,000	15,300
<b>Computer/math sci, total</b> .....	293,300	263,000	231,300	31,700	30,300	21,700	8,600
Computer/information scientists .....	237,900	211,400	183,200	28,200	26,500	20,000	6,500
Mathematical scientists .....	16,600	15,500	14,600	1,000	1,100	600	500
Postsecondary teachers-computer math sci .....	38,800	36,100	33,600	2,500	2,800	1,200	1,600
<b>Life/related scientists, total</b> .....	77,600	71,800	66,600	5,100	5,800	3,900	1,900
Agricultural/food scientists .....	11,100	10,100	9,600	500	1,000	700	300
Biological scientists .....	39,800	36,400	32,600	3,800	3,400	2,300	1,100
Environmental life scientists .....	7,400	7,400	7,400	S	S	S	S
Postsecondary teachers-life/related sciences .....	19,200	17,900	17,100	800	1,300	800	500
<b>Physical/related scientists, total</b> .....	81,300	73,500	66,600	6,900	7,800	5,300	2,500
Chemistry, except biochemistry .....	25,200	22,500	18,600	3,900	2,700	2,200	500
Earth scientists/geologists/oceanographers .....	29,100	27,400	26,300	1,200	1,700	1,200	500
Physicists/astronomers .....	9,600	8,300	7,600	700	1,300	900	500
Other physical/related scientists .....	5,500	5,100	4,800	300	400	300	100
Postsecondary teachers-physical/related sci .....	11,800	10,100	9,300	900	1,700	800	900
<b>Social/related scientists, total</b> .....	153,900	147,300	140,600	6,700	6,500	4,100	2,200
Economists .....	17,500	15,500	14,000	1,500	2,000	900	1,100
Political/related scientists .....	3,300	2,900	2,600	300	300	300	100
Psychologists .....	99,100	97,000	93,500	3,500	2,100	1,900	200
Sociologists/anthropologists .....	5,500	5,200	5,200	100	300	100	200
Other social/related scientists .....	5,500	5,300	5,200	100	200	100	S
Postsecondary teachers-social/related sci .....	23,000	21,300	20,200	1,200	1,600	800	600
<b>Engineers, total</b> .....	415,300	381,700	319,500	62,300	33,600	22,300	11,300
Aerospace/related engineers .....	32,400	32,000	28,000	4,000	400	200	200
Chemical engineers .....	24,300	22,700	18,400	4,300	1,600	1,200	400
Civil/architectural engineers .....	58,200	52,600	40,300	12,300	5,600	3,200	2,300
Electrical/related engineers .....	115,900	105,000	85,800	19,100	10,900	8,100	2,800
Industrial engineers .....	19,100	18,400	17,200	1,200	800	500	300
Mechanical engineers .....	64,200	58,300	47,300	11,000	5,900	4,200	1,700
Other engineers .....	89,900	83,400	74,600	8,800	6,500	4,100	2,300
Postsecondary teachers-engineers ..	11,200	9,200	7,900	1,400	2,000	800	1,200
<b>Non-S&amp;E occupations, total</b> .....	2,093,100	2,024,600	1,879,300	145,300	68,600	57,400	11,200
Managers/administrators .....	781,700	757,800	702,800	55,000	23,900	21,100	2,800
Health/related .....	100,300	96,700	88,000	8,800	3,600	3,200	400
Teachers, except S&E postsecondary .....	394,800	388,000	372,600	15,500	6,800	4,300	2,400
Sales/marketing .....	191,100	182,900	165,400	17,600	8,200	7,100	1,100
Other non-S&E occupations .....	625,200	599,100	550,600	48,500	26,100	21,700	4,400

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

**Table D-13. U.S. scientists and engineers, by highest degree attained, broad occupation, and citizenship status: 1995**

Highest degree and occupation	S&Es, total	U.S. citizen			Non-U.S. citizen		
		Total <sup>1</sup>	Native	Naturalized	Total <sup>2</sup>	Permanent resident	Temporary resident
<b>Doctorate</b>							
<b>All occupations, total<sup>4</sup></b> .....	778,400	699,300	602,400	96,900	79,100	66,000	12,700
<b>S&amp;E occupations, total</b> .....	468,500	409,400	350,800	58,600	59,100	48,400	10,600
<b>Scientists, total</b> .....	389,900	345,000	302,800	42,200	44,900	36,500	8,300
<b>Computer/math sci, total</b> .....	59,000	49,000	40,000	9,100	10,000	8,000	1,900
Computer/information scientists .....	23,700	19,400	15,600	3,800	4,300	3,300	1,000
Mathematical scientists .....	8,600	7,300	6,200	1,200	1,300	1,000	200
Postsecondary teachers-computer math sci .....	26,800	22,300	18,200	4,100	4,400	3,700	700
<b>Life/related scientists, total</b> .....	116,300	101,300	88,000	13,300	15,000	11,900	3,000
Agricultural/food scientists .....	11,400	10,000	9,000	1,000	1,400	900	400
Biological scientists .....	65,800	54,600	45,700	8,900	11,100	8,700	2,400
Environmental life scientists .....	1,300	1,200	1,200	100	S	S	S
Postsecondary teachers-life/related sciences .....	37,900	35,500	32,100	3,300	2,500	2,200	200
<b>Physical/related scientists, total</b> .....	90,800	78,800	66,100	12,700	12,000	10,100	1,900
Chemistry, except biochemistry .....	30,300	25,600	20,000	5,600	4,700	4,000	700
Earth scientists/geologists/oceanographers .....	12,300	11,200	10,000	1,200	1,100	900	200
Physicists/astronomers .....	16,000	13,600	11,200	2,400	2,400	1,600	800
Other physical/related scientists .....	3,300	2,800	2,400	400	500	400	100
Postsecondary teachers-physical/related sci .....	28,900	25,600	22,400	3,200	3,300	3,100	200
<b>Social/related scientists, total</b> .....	123,700	115,800	108,700	7,100	7,900	6,400	1,500
Economists .....	7,800	6,300	5,500	700	1,500	1,100	400
Political/related scientists .....	1,600	1,500	1,200	300	100	100	S
Psychologists .....	50,700	49,800	47,800	2,000	900	800	100
Sociologists/anthropologists .....	4,000	3,900	3,700	100	100	100	S
Other social/related scientists .....	3,900	3,400	3,100	300	500	400	S
Postsecondary teachers-social/related sci .....	55,800	50,900	47,300	3,600	4,800	3,900	900
<b>Engineers, total</b> .....	78,700	64,400	48,000	16,400	14,300	12,000	2,300
Aerospace/related engineers .....	4,800	4,500	3,400	1,100	400	300	100
Chemical engineers .....	7,200	6,100	4,500	1,600	1,100	900	200
Civil/architectural engineers .....	4,300	3,100	1,900	1,200	1,100	800	300
Electrical/related engineers .....	15,000	11,600	8,300	3,400	3,400	2,800	600
Industrial engineers .....	900	600	500	100	200	200	S
Mechanical engineers .....	8,800	6,800	4,700	2,100	2,100	1,700	300
Other engineers .....	18,600	15,500	12,500	3,000	3,000	2,400	600
Postsecondary teachers-engineers ..	19,100	16,200	12,200	4,000	2,900	2,800	200

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**Table D-13. U.S. scientists and engineers, by highest degree attained, broad occupation, and citizenship status: 1995**

Highest degree and occupation	S&Es, total	U.S. citizen			Non-U.S. citizen		
		Total <sup>1</sup>	Native	Naturalized	Total <sup>2</sup>	Permanent resident	Temporary resident
<b>Doctorate — continued</b>							
<b>Non-S&amp;E occupations, total</b> .....	309,800	289,900	251,600	38,300	19,900	17,600	2,100
Managers/administrators .....	131,700	125,900	110,500	15,400	5,800	5,300	500
Health/related .....	25,800	23,000	15,100	7,900	2,800	2,500	400
Teachers, except S&E postsecondary .....	77,000	72,200	64,500	7,700	4,800	4,400	400
Sales/marketing .....	9,300	8,000	6,700	1,300	1,300	1,200	100
Other non-S&E occupations .....	66,000	60,800	54,700	6,100	5,200	4,200	800

<sup>1</sup> Includes U.S. citizens who did not specify mode of gaining citizenship

<sup>2</sup> Includes non-citizens who did not specify visa status

<sup>3</sup> Includes professional degrees

<sup>4</sup> 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)