

**Table E-6. Employed U.S. scientists and engineers, by highest degree attained, occupation, citizenship status, and employment sector: 1997**

Highest degree, occupation, and citizenship	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> .....	10,585,600	7,264,900	940,600	1,012,900	1,367,300
U.S. citizen, total <sup>3</sup> .....	10,213,500	7,001,000	864,400	997,600	1,350,600
Native .....	9,379,100	6,405,500	781,400	951,900	1,240,400
Naturalized .....	834,400	595,500	83,000	45,700	110,300
Non-U.S. citizen, total <sup>4</sup> .....	372,100	263,900	76,200	15,300	16,600
Permanent resident .....	299,900	219,800	50,800	14,200	15,100
Temporary resident .....	72,200	44,100	25,400	1,100	1,500
<b>S&amp;E occupations, total</b> .....	3,369,400	2,343,600	475,700	111,000	439,100
U.S. citizen, total <sup>3</sup> .....	3,170,500	2,212,700	418,100	108,200	431,400
Native .....	2,828,200	1,968,100	377,800	101,400	380,900
Naturalized .....	342,300	244,600	40,400	6,800	50,500
Non-U.S. citizen, total <sup>4</sup> .....	198,900	130,800	57,600	2,800	7,700
Permanent resident .....	143,500	98,700	35,800	2,500	6,400
Temporary resident .....	55,400	32,100	21,800	200	1,300
<b>Scientists, total</b> .....	1,995,100	1,236,900	409,100	103,600	245,500
U.S. citizen, total <sup>3</sup> .....	1,863,000	1,156,200	363,600	101,500	241,600
Native .....	1,690,800	1,040,300	332,200	95,400	222,900
Naturalized .....	172,200	115,900	31,400	6,100	18,800
Non-U.S. citizen, total <sup>4</sup> .....	132,100	80,700	45,400	2,100	3,900
Permanent resident .....	95,900	60,400	30,500	1,900	3,000
Temporary resident .....	36,200	20,200	14,900	200	800
<b>Computer/math scientists, total</b> .....	1,039,500	828,900	88,200	33,000	89,400
U.S. citizen, total <sup>3</sup> .....	968,500	771,000	76,500	32,400	88,600
Native .....	864,500	686,600	68,900	29,400	79,600
Naturalized .....	104,100	84,400	7,600	3,000	9,000
Non-U.S. citizen, total <sup>4</sup> .....	70,900	57,900	11,700	600	700
Permanent resident .....	49,300	41,300	6,900	500	600
Temporary resident .....	21,600	16,600	4,800	100	200
<b>Life/related scientists, total</b> .....	321,800	102,700	139,100	15,400	64,600
U.S. citizen, total <sup>3</sup> .....	297,100	95,400	123,000	15,000	63,700
Native .....	271,600	86,600	111,000	14,400	59,600
Naturalized .....	25,500	8,800	12,000	600	4,100
Non-U.S. citizen, total <sup>4</sup> .....	24,700	7,300	16,100	400	900
Permanent resident .....	19,600	6,500	12,100	300	700
Temporary resident .....	5,000	800	4,000	100	200
<b>Physical/related scientists, total</b> .....	284,900	156,100	71,100	8,900	48,700
U.S. citizen, total <sup>3</sup> .....	263,100	146,100	61,500	8,400	47,100
Native .....	237,200	129,900	56,200	7,800	43,300
Naturalized .....	25,900	16,100	5,200	700	3,800
Non-U.S. citizen, total <sup>4</sup> .....	21,800	10,100	9,700	400	1,600
Permanent resident .....	17,100	9,200	6,200	400	1,400
Temporary resident .....	4,600	900	3,500	S	200

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

**Table E-6. Employed U.S. scientists and engineers, by highest degree attained, occupation, citizenship status, and employment sector: 1997**

Highest degree, occupation, and citizenship	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>Social/related scientists, total</b> .....	349,000	149,200	110,600	46,400	42,800
U.S. citizen, total <sup>3</sup> .....	334,300	143,700	102,600	45,700	42,200
Native .....	317,600	137,200	96,100	43,800	40,500
Naturalized .....	16,700	6,500	6,500	1,900	1,800
Non-U.S. citizen, total <sup>4</sup> .....	14,700	5,400	8,000	700	600
Permanent resident .....	9,800	3,400	5,300	700	400
Temporary resident .....	4,900	2,100	2,600	S	200
<b>Engineers, total</b> .....	1,374,400	1,106,700	66,700	7,400	193,600
U.S. citizen, total <sup>3</sup> .....	1,307,500	1,056,500	54,500	6,700	189,800
Native .....	1,137,500	927,800	45,600	6,100	158,000
Naturalized .....	170,000	128,700	8,900	600	31,800
Non-U.S. citizen, total <sup>4</sup> .....	66,800	50,100	12,200	700	3,900
Permanent resident .....	47,600	38,300	5,300	600	3,400
Temporary resident .....	19,300	11,800	6,900	S	500
<b>Non-S&amp;E occupations, total</b> .....	7,216,200	4,921,300	464,800	901,900	928,100
U.S. citizen, total <sup>3</sup> .....	7,043,000	4,788,300	446,200	889,300	919,200
Native .....	6,550,900	4,437,300	403,600	850,500	859,500
Naturalized .....	492,100	350,900	42,600	38,900	59,700
Non-U.S. citizen, total <sup>4</sup> .....	173,200	133,100	18,600	12,600	8,900
Permanent resident .....	156,500	121,000	15,100	11,700	8,700
Temporary resident .....	16,700	12,100	3,600	900	200
<b>Managers/administrators</b> .....	2,019,900	1,527,000	90,300	99,700	303,000
U.S. citizen, total <sup>3</sup> .....	1,971,700	1,482,600	89,200	99,100	300,800
Native .....	1,833,300	1,373,100	83,700	93,900	282,700
Naturalized .....	138,400	109,600	5,500	5,200	18,100
Non-U.S. citizen, total <sup>4</sup> .....	48,200	44,400	1,100	500	2,200
Permanent resident .....	44,000	40,500	1,000	500	2,000
Temporary resident .....	4,200	3,900	100	S	200
<b>Other non-S&amp;E occupations</b> .....	5,196,300	3,394,300	374,500	802,300	625,200
U.S. citizen, total <sup>3</sup> .....	5,071,300	3,305,600	357,000	790,200	618,400
Native .....	4,717,500	3,064,300	319,900	756,500	576,800
Naturalized .....	353,800	241,400	37,100	33,700	41,600
Non-U.S. citizen, total <sup>4</sup> .....	125,000	88,700	17,500	12,000	6,800
Permanent resident .....	112,400	80,500	14,000	11,200	6,700
Temporary resident .....	12,500	8,100	3,500	900	S
<b>Bachelor's</b>					
<b>All occupations, total<sup>2</sup></b> .....	6,193,700	4,582,200	317,600	463,200	830,700
U.S. citizen, total <sup>3</sup> .....	6,049,700	4,466,900	303,700	455,700	823,500
Native .....	5,603,800	4,127,800	280,100	436,000	759,900
Naturalized .....	445,900	339,100	23,600	19,600	63,600
Non-U.S. citizen, total <sup>4</sup> .....	144,000	115,300	13,800	7,600	7,300
Permanent resident .....	125,600	103,200	8,000	7,100	7,300
Temporary resident .....	18,400	12,100	5,900	500	S

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

**Table E-6. Employed U.S. scientists and engineers, by highest degree attained, occupation, citizenship status, and employment sector: 1997**

Highest degree, occupation, and citizenship	Employed S&Es, total	Sector of employment			
		Business/industry	4-yr. College/university	Other educational institution	Government
<b>Bachelor's — continued</b>					
<b>S&amp;E occupations, total</b> .....	1,916,800	1,497,700	130,700	25,100	263,300
U.S. citizen, total <sup>3</sup> .....	1,864,700	1,457,100	121,800	24,400	261,400
Native .....	1,698,200	1,327,200	114,800	22,800	233,400
Naturalized .....	166,500	129,900	7,000	1,600	28,000
Non-U.S. citizen, total <sup>4</sup> .....	52,100	40,600	8,900	700	1,900
Permanent resident .....	40,700	33,900	4,300	700	1,900
Temporary resident .....	11,400	6,800	4,600	S	S
<b>Scientists, total</b> .....	1,000,200	740,100	110,200	21,100	128,900
U.S. citizen, total <sup>3</sup> .....	968,300	715,700	103,200	20,800	128,600
Native .....	894,900	656,400	98,500	19,500	120,500
Naturalized .....	73,400	59,200	4,700	1,300	8,100
Non-U.S. citizen, total <sup>4</sup> .....	31,900	24,400	7,000	200	300
Permanent resident .....	24,300	19,700	4,000	200	300
Temporary resident .....	7,700	4,700	3,000	S	S
<b>Computer/math scientists, total</b> ....	675,300	571,700	31,100	10,600	61,900
U.S. citizen, total <sup>3</sup> .....	654,000	552,300	29,500	10,400	61,700
Native .....	596,700	503,500	27,800	9,300	56,100
Naturalized .....	57,300	48,900	1,700	1,100	5,600
Non-U.S. citizen, total <sup>4</sup> .....	21,400	19,400	1,700	200	200
Permanent resident .....	16,500	15,600	600	200	200
Temporary resident .....	4,800	3,700	1,100	S	S
<b>Life/related scientists, total</b> .....	125,200	49,300	36,600	4,600	34,700
U.S. citizen, total <sup>3</sup> .....	120,800	47,600	33,900	4,600	34,700
Native .....	115,500	45,600	32,100	4,600	33,200
Naturalized .....	5,400	2,000	1,900	S	1,500
Non-U.S. citizen, total <sup>4</sup> .....	4,400	1,700	2,700	S	S
Permanent resident .....	3,300	1,500	1,700	S	S
Temporary resident .....	1,100	100	1,000	S	S
<b>Physical/related scientists, total</b> ....	131,700	87,300	20,600	1,300	22,400
U.S. citizen, total <sup>3</sup> .....	127,600	85,100	19,000	1,200	22,300
Native .....	119,200	77,700	18,800	1,200	21,400
Naturalized .....	8,500	7,400	200	S	900
Non-U.S. citizen, total <sup>4</sup> .....	4,100	2,200	1,700	100	100
Permanent resident .....	3,100	1,900	1,000	100	100
Temporary resident .....	900	300	700	S	S
<b>Social/related scientists, total</b> .....	68,000	31,800	21,700	4,600	9,900
U.S. citizen, total <sup>3</sup> .....	65,900	30,600	20,800	4,600	9,900
Native .....	63,600	29,600	19,800	4,400	9,700
Naturalized .....	2,300	1,000	1,000	200	100
Non-U.S. citizen, total <sup>4</sup> .....	2,100	1,200	1,000	S	S
Permanent resident .....	1,400	600	700	S	S
Temporary resident .....	800	500	200	S	S

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

**Table E-6. Employed U.S. scientists and engineers, by highest degree attained, occupation, citizenship status, and employment sector: 1997**

Highest degree, occupation, and citizenship	Employed S&Es, total	Sector of employment			
		Business/industry	4-yr. College/university	Other educational institution	Government
<b>Bachelor's — continued</b>					
<b>Engineers, total</b> .....	916,600	757,700	20,600	4,000	134,400
U.S. citizen, total <sup>3</sup> .....	896,400	741,400	18,600	3,600	132,800
Native .....	803,300	670,700	16,300	3,300	112,900
Naturalized .....	93,100	70,700	2,300	300	19,900
Non-U.S. citizen, total <sup>4</sup> .....	20,200	16,200	2,000	500	1,600
Permanent resident .....	16,500	14,100	300	400	1,600
Temporary resident .....	3,800	2,100	1,600	S	S
<b>Non-S&amp;E occupations, total</b> .....	4,276,900	3,084,500	186,900	438,100	567,500
U.S. citizen, total <sup>3</sup> .....	4,185,100	3,009,800	182,000	431,200	562,100
Native .....	3,905,600	2,800,600	165,300	413,200	526,500
Naturalized .....	279,400	209,200	16,700	18,000	35,600
Non-U.S. citizen, total <sup>4</sup> .....	91,800	74,700	4,900	6,900	5,400
Permanent resident .....	84,900	69,400	3,600	6,400	5,400
Temporary resident .....	7,000	5,300	1,300	400	S
<b>Managers/administrators</b> .....	1,141,100	928,600	33,400	21,800	157,300
U.S. citizen, total <sup>3</sup> .....	1,117,500	906,500	32,900	21,800	156,400
Native .....	1,048,000	848,600	31,700	19,800	147,900
Naturalized .....	69,600	57,900	1,200	2,000	8,400
Non-U.S. citizen, total <sup>4</sup> .....	23,600	22,200	500	S	900
Permanent resident .....	22,300	20,900	500	S	900
Temporary resident .....	1,300	1,300	S	S	S
<b>Other non-S&amp;E occupations</b> .....	3,135,800	2,155,800	153,500	416,300	410,200
U.S. citizen, total <sup>3</sup> .....	3,067,600	2,103,300	149,100	409,500	405,700
Native .....	2,857,700	1,952,000	133,600	393,500	378,500
Naturalized .....	209,900	151,300	15,500	16,000	27,200
Non-U.S. citizen, total <sup>4</sup> .....	68,300	52,500	4,400	6,900	4,500
Permanent resident .....	62,500	48,500	3,100	6,400	4,500
Temporary resident .....	5,700	4,000	1,300	400	S
<b>Master's</b>					
<b>All occupations, total</b> <sup>2</sup> .....	2,819,800	1,736,000	219,300	492,100	372,500
U.S. citizen, total <sup>3</sup> .....	2,678,600	1,629,100	196,600	486,500	366,400
Native .....	2,435,400	1,452,100	183,200	465,200	334,800
Naturalized .....	243,200	177,000	13,400	21,300	31,500
Non-U.S. citizen, total <sup>4</sup> .....	141,200	106,900	22,700	5,600	6,100
Permanent resident .....	99,800	80,600	9,100	5,100	5,100
Temporary resident .....	41,400	26,300	13,600	500	1,000
<b>S&amp;E occupations, total</b> .....	967,900	657,200	113,300	69,200	128,200
U.S. citizen, total <sup>3</sup> .....	882,200	594,700	94,800	68,100	124,600
Native .....	770,200	508,600	87,600	64,900	109,000
Naturalized .....	112,000	86,100	7,100	3,200	15,600
Non-U.S. citizen, total <sup>4</sup> .....	85,700	62,500	18,500	1,100	3,500
Permanent resident .....	52,100	42,200	6,100	1,000	2,700
Temporary resident .....	33,600	20,300	12,400	100	800

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

**Table E-6. Employed U.S. scientists and engineers, by highest degree attained, occupation, citizenship status, and employment sector: 1997**

Highest degree, occupation, and citizenship	Employed S&Es, total	Sector of employment			
		Business/industry	4-yr. College/university	Other educational institution	Government
<b>Master's — continued</b>					
<b>Scientists, total</b> .....	592,000	357,100	92,700	66,100	76,100
U.S. citizen, total <sup>3</sup> .....	536,900	317,700	79,700	65,200	74,200
Native .....	484,100	278,500	74,500	62,200	68,900
Naturalized .....	52,800	39,300	5,300	3,000	5,200
Non-U.S. citizen, total <sup>4</sup> .....	55,100	39,400	12,900	900	1,900
Permanent resident .....	33,800	26,400	4,900	800	1,600
Temporary resident .....	21,400	13,000	8,000	100	400
<b>Computer/math scientists, total</b> ....	301,600	228,400	29,500	20,000	23,700
U.S. citizen, total <sup>3</sup> .....	263,800	195,800	25,000	19,800	23,200
Native .....	227,100	164,900	23,100	18,500	20,600
Naturalized .....	36,700	30,800	1,900	1,300	2,600
Non-U.S. citizen, total <sup>4</sup> .....	37,800	32,600	4,500	200	500
Permanent resident .....	23,100	21,000	1,600	200	300
Temporary resident .....	14,700	11,700	2,900	S	100
<b>Life/related scientists, total</b> .....	70,300	22,500	23,500	7,600	16,600
U.S. citizen, total <sup>3</sup> .....	65,200	20,900	20,400	7,500	16,400
Native .....	61,700	19,400	19,100	7,300	15,900
Naturalized .....	3,500	1,500	1,300	200	500
Non-U.S. citizen, total <sup>4</sup> .....	5,100	1,600	3,100	100	200
Permanent resident .....	3,300	1,400	1,600	100	200
Temporary resident .....	1,800	300	1,500	S	S
<b>Physical/related scientists, total</b> ...	69,100	35,600	13,200	5,200	15,200
U.S. citizen, total <sup>3</sup> .....	62,700	32,900	10,500	5,100	14,400
Native .....	56,800	29,600	9,500	4,700	13,000
Naturalized .....	5,900	3,200	1,000	400	1,300
Non-U.S. citizen, total <sup>4</sup> .....	6,400	2,700	2,700	100	900
Permanent resident .....	4,100	2,500	800	100	700
Temporary resident .....	2,300	200	2,000	S	100
<b>Social/related scientists, total</b> .....	151,100	70,700	26,500	33,300	20,600
U.S. citizen, total <sup>3</sup> .....	145,200	68,300	23,900	32,800	20,200
Native .....	138,400	64,500	22,800	31,600	19,400
Naturalized .....	6,800	3,700	1,000	1,200	800
Non-U.S. citizen, total <sup>4</sup> .....	5,900	2,400	2,600	500	300
Permanent resident .....	3,400	1,600	1,000	500	200
Temporary resident .....	2,500	800	1,600	S	100
<b>Engineers, total</b> .....	375,900	300,100	20,600	3,100	52,100
U.S. citizen, total <sup>3</sup> .....	345,300	277,000	15,000	2,900	50,500
Native .....	286,100	230,100	13,200	2,700	40,100
Naturalized .....	59,200	46,800	1,900	200	10,400
Non-U.S. citizen, total <sup>4</sup> .....	30,500	23,100	5,600	200	1,600
Permanent resident .....	18,300	15,800	1,100	200	1,200
Temporary resident .....	12,300	7,300	4,500	S	400

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

**Table E-6. Employed U.S. scientists and engineers, by highest degree attained, occupation, citizenship status, and employment sector: 1997**

Highest degree, occupation, and citizenship	Employed S&Es, total	Sector of employment			
		Business/industry	4-yr. College/university	Other educational institution	Government
<b>Master's — continued</b>					
<b>Non-S&amp;E occupations, total</b> .....	1,851,900	1,078,700	106,000	422,900	244,300
U.S. citizen, total <sup>3</sup> .....	1,796,400	1,034,400	101,900	418,400	241,700
Native .....	1,665,200	943,500	95,600	400,300	225,800
Naturalized .....	131,100	90,900	6,300	18,000	15,900
Non-U.S. citizen, total <sup>4</sup> .....	55,600	44,400	4,100	4,500	2,600
Permanent resident .....	47,800	38,300	3,000	4,100	2,400
Temporary resident .....	7,800	6,000	1,100	400	200
<b>Managers/administrators</b> .....	724,800	506,500	30,100	63,600	124,600
U.S. citizen, total <sup>3</sup> .....	704,800	488,100	29,800	63,300	123,500
Native .....	651,900	447,700	27,900	60,600	115,700
Naturalized .....	52,900	40,400	1,900	2,700	7,900
Non-U.S. citizen, total <sup>4</sup> .....	20,100	18,400	300	200	1,100
Permanent resident .....	17,500	16,100	300	200	900
Temporary resident .....	2,600	2,300	100	S	200
<b>Other non-S&amp;E occupations</b> .....	1,127,100	572,200	75,800	359,300	119,700
U.S. citizen, total <sup>3</sup> .....	1,091,600	546,300	72,100	355,100	118,200
Native .....	1,013,300	495,800	67,700	339,700	110,200
Naturalized .....	78,300	50,500	4,400	15,300	8,100
Non-U.S. citizen, total <sup>4</sup> .....	35,500	26,000	3,800	4,300	1,400
Permanent resident .....	30,300	22,300	2,700	3,900	1,400
Temporary resident .....	5,200	3,700	1,100	400	S
<b>Doctorate</b>					
<b>All occupations, total</b> <sup>2</sup> .....	696,000	289,100	302,000	39,800	65,100
U.S. citizen, total <sup>3</sup> .....	619,700	253,200	265,900	38,100	62,500
Native .....	526,500	207,200	231,800	34,000	53,500
Naturalized .....	93,100	45,900	34,100	4,100	9,000
Non-U.S. citizen, total <sup>4</sup> .....	76,400	35,900	36,100	1,700	2,600
Permanent resident .....	64,600	30,300	30,700	1,500	2,100
Temporary resident .....	11,800	5,700	5,400	200	500
<b>S&amp;E occupations, total</b> .....	454,700	174,500	220,900	14,700	44,600
U.S. citizen, total <sup>3</sup> .....	395,000	147,300	191,700	13,800	42,300
Native .....	335,100	120,300	166,900	12,100	35,800
Naturalized .....	59,900	26,900	24,800	1,700	6,500
Non-U.S. citizen, total <sup>4</sup> .....	59,700	27,200	29,200	1,000	2,300
Permanent resident .....	49,500	22,300	24,500	900	1,800
Temporary resident .....	10,200	4,900	4,700	100	500
<b>Scientists, total</b> .....	375,300	127,200	195,400	14,500	38,100
U.S. citizen, total <sup>3</sup> .....	331,600	110,800	170,800	13,500	36,500
Native .....	289,000	94,800	150,800	12,000	31,500
Naturalized .....	42,600	16,100	20,000	1,500	5,100
Non-U.S. citizen, total <sup>4</sup> .....	43,600	16,400	24,600	1,000	1,600
Permanent resident .....	36,600	13,900	20,700	800	1,200
Temporary resident .....	7,000	2,500	3,900	100	500

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

**Table E-6. Employed U.S. scientists and engineers, by highest degree attained, occupation, citizenship status, and employment sector: 1997**

Highest degree, occupation, and citizenship	Employed S&Es, total	Sector of employment			
		Business/industry	4-yr. College/university	Other educational institution	Government
<b>Doctorate — continued</b>					
<b>Computer/math scientists, total</b> ....	59,000	25,600	27,400	2,200	3,800
U.S. citizen, total <sup>3</sup> .....	47,300	19,700	21,900	2,000	3,700
Native .....	37,600	15,400	17,800	1,400	2,900
Naturalized .....	9,700	4,300	4,000	600	800
Non-U.S. citizen, total <sup>4</sup> .....	11,700	5,800	5,500	200	100
Permanent resident .....	9,600	4,700	4,800	200	S
Temporary resident .....	2,000	1,200	800	S	S
<b>Life/related scientists, total</b> .....	111,800	27,200	69,500	3,000	12,200
U.S. citizen, total <sup>3</sup> .....	97,800	23,500	60,100	2,700	11,500
Native .....	83,700	19,100	52,500	2,500	9,500
Naturalized .....	14,000	4,400	7,500	200	1,900
Non-U.S. citizen, total <sup>4</sup> .....	14,100	3,700	9,400	300	700
Permanent resident .....	12,000	3,300	8,000	300	500
Temporary resident .....	2,000	300	1,400	100	200
<b>Physical/related scientists, total</b> ...	83,700	33,100	37,300	2,400	10,800
U.S. citizen, total <sup>3</sup> .....	72,400	28,000	32,000	2,200	10,200
Native .....	60,800	22,500	28,000	1,800	8,600
Naturalized .....	11,600	5,500	4,100	300	1,600
Non-U.S. citizen, total <sup>4</sup> .....	11,300	5,100	5,300	200	600
Permanent resident .....	9,900	4,700	4,400	200	500
Temporary resident .....	1,400	400	900	S	100
<b>Social/related scientists, total</b> .....	120,800	41,400	61,200	6,800	11,400
U.S. citizen, total <sup>3</sup> .....	114,200	39,600	56,800	6,600	11,100
Native .....	106,900	37,700	52,500	6,300	10,400
Naturalized .....	7,300	1,900	4,400	400	700
Non-U.S. citizen, total <sup>4</sup> .....	6,600	1,800	4,400	200	200
Permanent resident .....	5,100	1,200	3,600	200	200
Temporary resident .....	1,500	600	800	S	100
<b>Engineers, total</b> .....	79,400	47,200	25,500	300	6,500
U.S. citizen, total <sup>3</sup> .....	63,300	36,400	20,800	300	5,800
Native .....	46,000	25,600	16,100	100	4,300
Naturalized .....	17,300	10,900	4,800	200	1,500
Non-U.S. citizen, total <sup>4</sup> .....	16,100	10,800	4,600	S	700
Permanent resident .....	12,900	8,400	3,800	S	600
Temporary resident .....	3,300	2,400	800	S	100
<b>Non-S&amp;E occupations, total</b> .....	241,300	114,700	81,100	25,100	20,500
U.S. citizen, total <sup>3</sup> .....	224,700	105,900	74,200	24,300	20,200
Native .....	191,500	86,900	64,900	22,000	17,700
Naturalized .....	33,200	19,000	9,400	2,400	2,400
Non-U.S. citizen, total <sup>4</sup> .....	16,600	8,700	6,900	700	300
Permanent resident .....	15,100	8,000	6,100	700	300
Temporary resident .....	1,500	800	800	S	S

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

**Table E-6. Employed U.S. scientists and engineers, by highest degree attained, occupation, citizenship status, and employment sector: 1997**

Highest degree, occupation, and citizenship	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> .....	102,400	55,200	22,700	11,200	13,300
U.S. citizen, total <sup>3</sup> .....	98,200	51,700	22,500	10,900	13,100
Native .....	84,300	41,800	20,300	10,400	11,800
Naturalized .....	13,800	9,800	2,200	500	1,300
Non-U.S. citizen, total <sup>4</sup> .....	4,200	3,500	300	300	100
Permanent resident .....	3,900	3,100	300	300	100
Temporary resident .....	400	400	S	S	S
<b>Other non-S&amp;E occupations</b> .....	138,900	59,500	58,400	13,800	7,200
U.S. citizen, total <sup>3</sup> .....	126,500	54,300	51,800	13,400	7,100
Native .....	107,100	45,100	44,600	11,500	5,900
Naturalized .....	19,400	9,200	7,200	1,900	1,100
Non-U.S. citizen, total <sup>4</sup> .....	12,400	5,200	6,600	400	200
Permanent resident .....	11,200	4,800	5,800	400	200
Temporary resident .....	1,200	400	800	S	S

- 1 Includes professional degrees
- 2 Total excludes 18,700 individuals who reported never having worked.
- 3 Includes U.S. citizens who did not specify mode of gaining citizenship
- 4 Includes non-citizens who did not specify visa status

**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)