

**Table E-11. Employed U.S. scientists and engineers, by highest degree attained, occupation, sex, and years since degree: 1993**

Highest degree, occupation, and sex	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
<b>All degree levels<sup>1</sup></b>									
<b>All occupations, total<sup>2</sup></b> .....	9,793,500	1,742,500	1,918,200	1,731,200	1,633,900	1,226,200	678,000	397,600	465,900
Male .....	6,729,500	1,029,200	1,201,100	1,146,200	1,164,500	939,500	526,300	335,300	387,400
Female .....	3,064,100	713,400	717,100	585,000	469,400	286,700	151,700	62,300	78,500
<b>S&amp;E occupations, total</b> .....	3,303,400	670,500	769,100	599,500	466,300	340,800	201,400	128,600	127,200
Male .....	2,547,900	467,100	558,100	449,700	375,900	291,700	172,400	115,300	117,600
Female .....	755,500	203,400	211,000	149,800	90,300	49,100	28,900	13,300	9,600
<b>Scientists, total</b> .....	1,912,300	408,900	464,900	349,500	280,000	192,400	107,500	59,200	50,000
Male .....	1,276,400	244,900	294,300	222,200	197,800	148,000	80,300	47,000	41,800
Female .....	635,900	164,000	170,500	127,300	82,200	44,300	27,200	12,100	8,200
<b>Computer/math scientists, total</b> .....	991,500	173,900	268,400	202,600	148,400	103,800	51,700	26,100	16,600
Male .....	686,100	116,600	182,700	133,400	107,800	76,600	36,600	19,900	12,500
Female .....	305,400	57,300	85,600	69,200	40,600	27,200	15,100	6,200	4,100
<b>Life/related scientists, total</b> ..	322,300	75,100	72,300	50,900	48,500	31,800	19,300	11,700	12,600
Male .....	212,600	44,400	40,300	31,400	34,800	26,900	14,300	9,400	11,100
Female .....	109,700	30,800	32,000	19,500	13,700	4,900	5,000	2,300	1,500
<b>Physical/related scientists, total</b> .....	280,900	71,100	56,700	43,900	34,500	26,700	21,400	13,200	13,500
Male .....	221,100	49,000	42,800	34,400	28,500	23,700	18,600	11,700	12,400
Female .....	59,900	22,100	13,900	9,500	6,000	3,000	2,800	1,500	1,100
<b>Social/related scientists, total</b> .....	317,600	88,700	67,500	52,100	48,500	30,100	15,100	8,200	7,300
Male .....	156,600	35,000	28,500	23,000	26,600	20,900	10,800	6,100	5,800
Female .....	160,900	53,800	39,000	29,100	21,900	9,200	4,300	2,200	1,500
<b>Engineers, total</b> .....	1,391,100	261,600	304,200	250,100	186,300	148,400	93,800	69,400	77,200
Male .....	1,271,500	222,200	263,800	227,500	178,200	143,600	92,100	68,300	75,800
Female .....	119,600	39,400	40,500	22,600	8,100	4,800	1,700	1,200	1,400
<b>Non-S&amp;E occupations, total</b> .....	6,490,100	1,072,000	1,149,100	1,131,700	1,167,600	885,500	476,600	269,000	338,700
Male .....	4,181,600	562,000	643,000	696,500	788,500	647,800	353,900	220,000	269,800
Female .....	2,308,600	510,000	506,100	435,200	379,100	237,600	122,700	49,000	68,900
<b>Managers/administrators</b> .....	1,994,400	222,700	305,000	353,100	387,200	320,500	187,900	109,000	109,000
Male .....	1,499,700	144,400	197,600	242,800	295,000	265,000	160,000	96,700	98,200
Female .....	494,700	78,300	107,400	110,300	92,300	55,400	27,900	12,400	10,700
<b>Other non-S&amp;E occupations</b> ..	4,495,700	849,300	844,100	778,600	780,400	565,000	288,700	159,900	229,800
Male .....	2,681,900	417,600	445,400	453,700	493,600	382,800	193,800	123,300	171,600
Female .....	1,813,900	431,700	398,700	324,900	286,800	182,200	94,900	36,600	58,200

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

**Table E-11. Employed U.S. scientists and engineers, by highest degree attained, occupation, sex, and years since degree: 1993**

Highest degree, occupation, and sex	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
<b>Bachelor's</b>									
<b>All occupations, total<sup>2</sup></b> .....	5,727,200	997,600	1,104,200	978,300	913,000	725,600	400,600	266,100	341,800
Male .....	3,876,700	576,200	693,200	652,600	633,300	532,500	291,800	220,400	276,700
Female .....	1,850,500	421,400	411,000	325,700	279,700	193,100	108,900	45,700	65,100
<b>S&amp;E occupations, total</b> .....	1,980,300	349,100	485,300	379,600	269,800	200,300	116,300	89,100	90,700
Male .....	1,553,200	245,800	358,800	291,900	220,500	172,700	98,300	81,200	84,000
Female .....	427,200	103,400	126,500	87,700	49,400	27,600	18,000	7,900	6,800
<b>Scientists, total</b> .....	1,007,000	193,800	267,200	194,500	146,100	99,400	49,700	31,100	25,100
Male .....	664,900	115,000	170,500	124,800	102,900	75,400	33,100	24,000	19,200
Female .....	342,100	78,800	96,600	69,700	43,200	24,000	16,700	7,100	5,900
<b>Computer/math scientists, total</b> .....	676,200	95,600	194,500	145,100	103,300	71,100	35,000	19,500	12,100
Male .....	457,700	63,300	128,200	95,700	73,200	51,700	23,000	14,400	8,300
Female .....	218,500	32,300	66,300	49,500	30,100	19,400	12,000	5,100	3,800
<b>Life/related scientists, total</b> ..	131,600	31,400	30,400	20,900	19,600	13,000	7,100	4,600	4,700
Male .....	82,200	18,300	15,600	11,200	13,700	11,400	4,700	3,600	3,700
Female .....	49,500	13,100	14,800	9,700	5,900	1,600	2,400	1,000	1,000
<b>Physical/related scientists, total</b> .....	130,700	34,800	27,200	22,300	16,100	10,400	6,700	6,400	6,800
Male .....	96,900	22,500	19,800	16,400	12,400	9,300	5,000	5,500	6,000
Female .....	33,700	12,300	7,400	5,900	3,700	1,100	1,700	800	800
<b>Social/related scientists, total</b> .....	68,500	32,100	15,000	6,300	7,100	5,000	1,000	700	1,500
Male .....	28,200	10,900	6,900	1,600	3,600	3,100	300	500	1,200
Female .....	40,300	21,100	8,100	4,700	3,500	1,900	600	100	300
<b>Engineers, total</b> .....	973,300	155,300	218,100	185,100	123,700	100,900	66,600	58,000	65,600
Male .....	888,200	130,800	188,200	167,100	117,600	97,300	65,300	57,200	64,700
Female .....	85,100	24,500	29,900	17,900	6,100	3,600	1,300	800	900
<b>Non-S&amp;E occupations, total</b> .....	3,746,900	648,500	618,900	598,700	643,200	525,300	284,300	177,000	251,000
Male .....	2,323,600	330,400	334,400	360,700	412,800	359,800	193,400	139,200	192,800
Female .....	1,423,300	318,100	284,400	238,000	230,400	165,400	90,900	37,800	58,300
<b>Managers/administrators</b> .....	1,134,700	115,900	160,400	182,700	210,000	186,300	114,300	77,500	87,500
Male .....	844,900	74,700	104,600	127,100	154,600	146,000	92,100	67,700	78,100
Female .....	289,800	41,300	55,900	55,600	55,400	40,300	22,200	9,800	9,400
<b>Other non-S&amp;E occupations</b> ..	2,612,200	532,500	458,400	416,000	433,200	338,900	170,000	99,500	163,500
Male .....	1,478,600	255,700	229,900	233,600	258,200	213,800	101,300	71,500	114,700
Female .....	1,133,500	276,800	228,600	182,400	175,000	125,100	68,700	28,100	48,800

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

**Table E-11. Employed U.S. scientists and engineers, by highest degree attained, occupation, sex, and years since degree: 1993**

Highest degree, occupation, and sex	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
<b>Master's</b>									
<b>All occupations, total<sup>2</sup></b> .....	2,575,600	514,800	528,000	473,200	450,100	321,600	169,400	64,400	54,000
Male .....	1,688,100	302,800	312,900	284,900	311,800	244,900	133,600	52,700	44,300
Female .....	887,500	212,000	215,000	188,300	138,300	76,700	35,700	11,700	9,800
<b>S&amp;E occupations, total</b> .....	891,300	234,200	200,500	149,300	131,300	86,000	50,300	21,500	18,100
Male .....	657,300	162,100	140,100	104,200	104,200	71,000	41,900	17,500	16,200
Female .....	234,000	72,100	60,400	45,100	27,200	15,000	8,400	4,000	1,900
<b>Scientists, total</b> .....	541,400	143,700	125,700	93,900	78,800	48,400	29,600	12,200	9,200
Male .....	338,200	84,800	74,800	52,900	53,200	34,400	21,500	8,600	7,900
Female .....	203,300	58,900	50,800	41,100	25,500	14,000	8,000	3,600	1,300
<b>Computer/math scientists, total</b> .....	263,600	67,500	63,900	48,900	37,500	25,200	12,600	5,000	3,000
Male .....	185,400	45,500	46,000	31,300	28,100	18,000	9,800	3,900	2,800
Female .....	78,200	22,000	17,800	17,700	9,300	7,200	2,800	1,100	200
<b>Life/related scientists, total</b> ..	70,400	20,000	17,300	10,800	11,100	5,300	4,000	1,300	600
Male .....	40,500	11,400	8,000	5,500	7,700	4,100	2,400	900	600
Female .....	29,900	8,600	9,300	5,200	3,400	1,200	1,700	400	S
<b>Physical/related scientists, total</b> .....	72,600	21,400	15,100	10,000	8,700	6,300	5,900	2,100	3,000
Male .....	55,600	14,600	11,100	7,800	7,300	5,100	5,100	1,700	2,900
Female .....	17,000	6,800	4,100	2,200	1,300	1,200	800	500	100
<b>Social/related scientists, total</b> .....	134,900	34,800	29,400	24,200	21,500	11,600	6,900	3,800	2,600
Male .....	56,600	13,400	9,700	8,200	10,000	7,200	4,200	2,200	1,600
Female .....	78,200	21,400	19,600	15,900	11,500	4,400	2,700	1,600	1,000
<b>Engineers, total</b> .....	349,900	90,500	74,800	55,400	52,600	37,700	20,800	9,300	8,900
Male .....	319,100	77,200	65,300	51,400	50,900	36,600	20,400	8,900	8,300
Female .....	30,800	13,200	9,600	4,100	1,600	1,000	300	400	600
<b>Non-S&amp;E occupations, total</b> .....	1,684,300	280,600	327,500	323,900	318,700	235,600	119,100	42,900	36,000
Male .....	1,030,800	140,800	172,800	180,700	207,700	173,900	91,700	35,200	28,100
Female .....	653,500	139,900	154,700	143,200	111,100	61,700	27,400	7,700	7,900
<b>Managers/administrators</b> .....	693,200	92,300	123,600	138,800	142,600	103,000	55,900	22,400	14,700
Male .....	518,500	59,600	79,100	93,400	111,200	90,300	51,000	20,100	13,800
Female .....	174,700	32,700	44,500	45,400	31,400	12,700	4,900	2,300	800
<b>Other non-S&amp;E occupations</b> ..	991,100	188,300	203,900	185,100	176,200	132,600	63,200	20,600	21,300
Male .....	512,300	81,100	93,700	87,300	96,500	83,600	40,600	15,200	14,200
Female .....	478,700	107,100	110,100	97,800	79,700	49,000	22,500	5,400	7,100

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

**Table E-11. Employed U.S. scientists and engineers, by highest degree attained, occupation, sex, and years since degree: 1993**

Highest degree, occupation, and sex	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
<b>Doctorate</b>									
<b>All occupations, total<sup>2</sup></b> .....	634,800	117,900	110,000	105,500	103,100	94,800	54,800	26,800	21,900
Male .....	499,400	79,200	76,700	77,500	84,300	84,900	51,000	25,300	20,500
Female .....	135,400	38,700	33,300	27,900	18,800	9,900	3,800	1,500	1,400
<b>S&amp;E occupations, total</b> .....	395,600	84,500	75,000	64,100	58,100	52,200	32,400	15,500	13,900
Male .....	311,500	57,900	53,900	48,500	47,500	45,900	30,000	14,700	13,200
Female .....	84,100	26,600	21,100	15,600	10,700	6,300	2,300	800	700
<b>Scientists, total</b> .....	330,500	68,800	64,200	55,500	48,500	42,500	26,000	13,600	11,400
Male .....	250,000	43,800	44,000	40,400	38,200	36,300	23,700	12,800	10,700
Female .....	80,600	25,000	20,300	15,100	10,300	6,200	2,200	800	700
<b>Computer/math scientists, total</b> .....	48,700	10,600	8,800	7,800	7,300	7,400	3,800	1,700	1,300
Male .....	40,400	7,600	7,300	6,000	6,200	6,700	3,600	1,600	1,300
Female .....	8,300	3,000	1,500	1,900	1,100	700	200	S	S
<b>Life/related scientists, total</b> ..	98,100	22,600	20,600	15,900	13,400	11,800	6,800	3,600	3,400
Male .....	73,300	13,900	13,900	12,200	10,800	9,900	6,000	3,400	3,200
Female .....	24,800	8,700	6,700	3,700	2,600	1,900	800	200	200
<b>Physical/related scientists, total</b> .....	77,000	14,300	14,200	11,600	9,700	10,000	8,800	4,700	3,700
Male .....	68,300	11,700	11,800	10,200	8,800	9,300	8,500	4,500	3,500
Female .....	8,700	2,600	2,500	1,300	900	700	300	200	200
<b>Social/related scientists, total</b> .....	106,700	21,300	20,500	20,200	18,100	13,300	6,500	3,700	3,100
Male .....	68,000	10,600	10,900	12,000	12,400	10,400	5,600	3,300	2,800
Female .....	38,700	10,800	9,600	8,200	5,700	2,900	900	400	200
<b>Engineers, total</b> .....	65,000	15,600	10,800	8,600	9,700	9,700	6,400	1,800	2,400
Male .....	61,500	14,100	10,000	8,000	9,300	9,500	6,300	1,800	2,400
Female .....	3,500	1,600	800	600	400	100	100	S	S
<b>Non-S&amp;E occupations, total</b> .....	239,200	33,400	35,000	41,300	44,900	42,700	22,500	11,300	8,000
Male .....	187,900	21,300	22,800	29,100	36,800	39,000	21,000	10,600	7,300
Female .....	51,300	12,100	12,200	12,300	8,200	3,600	1,500	700	700
<b>Managers/administrators</b> .....	119,000	11,700	13,400	21,500	24,500	24,800	13,700	6,100	3,300
Male .....	99,300	7,600	9,000	16,100	21,200	23,200	13,100	6,000	3,100
Female .....	19,700	4,100	4,400	5,400	3,300	1,500	600	200	200
<b>Other non-S&amp;E occupations</b> ..	120,200	21,700	21,600	19,900	20,500	17,900	8,800	5,200	4,700
Male .....	88,700	13,700	13,800	13,000	15,600	15,800	7,900	4,700	4,200
Female .....	31,600	8,000	7,800	6,900	4,800	2,100	900	500	500

1 Includes professional degrees  
 2 Total excludes 37,000 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 are employed in an S&E occupation.  
 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, 1993 SESTAT (Scientists and Engineers Statistical Data System)