

Table B-11. U.S. scientists and engineers, by level and field of highest degree attained, sex, and citizenship status: 1995

Level and field of highest degree, and sex	S&Es, total	U.S. citizen			Non-U.S. citizen		
		Total ¹	Native	Naturalized	Total ²	Permanent resident	Temporary resident
All degree levels³							
All degree fields, total	12,036,200	11,586,800	10,683,300	903,600	449,400	371,500	76,900
Male	7,915,500	7,610,400	6,993,100	617,300	305,100	248,800	55,500
Female	4,120,700	3,976,400	3,690,200	286,300	144,300	122,700	21,300
S&E degree fields, total	8,908,000	8,527,600	7,806,300	721,400	380,300	309,000	70,500
Male	5,841,200	5,581,000	5,085,400	495,600	260,200	208,800	50,900
Female	3,066,700	2,946,600	2,720,900	225,700	120,100	100,200	19,600
Sciences, total	6,654,300	6,405,500	5,966,400	439,100	248,900	204,000	44,100
Male	3,774,800	3,631,400	3,389,100	242,200	143,400	116,000	27,000
Female	2,879,600	2,774,100	2,577,300	196,800	105,500	88,000	17,200
Computer/math sciences, total	1,090,100	1,027,900	924,500	103,400	62,200	49,700	12,300
Male	704,700	662,400	598,700	63,700	42,400	33,200	9,000
Female	385,400	365,600	325,800	39,800	19,800	16,500	3,300
Computer/information sciences	544,000	504,100	438,300	65,800	39,900	31,200	8,700
Male	369,300	340,200	299,000	41,200	29,100	22,100	7,000
Female	174,700	163,900	139,300	24,600	10,800	9,100	1,700
Mathematical sciences	546,100	523,800	486,200	37,700	22,300	18,600	3,600
Male	335,400	322,100	299,700	22,500	13,300	11,200	2,000
Female	210,700	201,700	186,500	15,200	9,000	7,400	1,600
Life/related sciences, total	1,392,100	1,337,300	1,234,700	102,600	54,800	43,100	11,400
Male	814,300	786,600	731,100	55,500	27,600	22,100	5,600
Female	577,900	550,700	503,600	47,200	27,100	21,000	5,800
Agricultural/food sciences	257,100	250,000	236,700	13,300	7,100	4,900	2,200
Male	193,700	189,300	180,200	9,000	4,400	3,100	1,300
Female	63,500	60,800	56,500	4,300	2,700	1,800	900
Biological sciences	1,032,200	985,900	899,200	86,700	46,300	37,000	9,000
Male	543,400	521,100	476,700	44,400	22,300	18,200	4,100
Female	488,800	464,800	422,500	42,300	24,000	18,800	4,900
Environmental life sciences	102,700	101,400	98,800	2,600	1,300	1,100	200
Male	77,200	76,200	74,200	2,000	1,000	800	200
Female	25,600	25,200	24,600	600	400	400	S
Physical/related sciences, total	762,100	715,700	647,700	68,100	46,300	38,300	8,000
Male	587,200	553,400	507,000	46,400	33,800	27,900	5,900
Female	174,900	162,400	140,700	21,700	12,600	10,400	2,200
Chemistry, except biochemistry	349,300	326,800	284,900	41,900	22,600	18,900	3,600
Male	242,200	228,200	203,500	24,800	14,000	11,500	2,500
Female	107,100	98,500	81,400	17,100	8,600	7,400	1,100
Earth science, geology and oceanography	174,500	168,700	161,400	7,300	5,800	5,000	800
Male	144,500	139,400	133,400	6,100	5,100	4,400	700
Female	29,900	29,200	28,000	1,200	700	600	100
Physics/astronomy	171,600	156,100	140,800	15,300	15,600	12,600	3,000
Male	153,500	140,200	127,200	13,000	13,300	11,000	2,300
Female	18,100	15,800	13,600	2,300	2,300	1,600	700

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

Table B-11. U.S. scientists and engineers, by level and field of highest degree attained, sex, and citizenship status: 1995

Level and field of highest degree, and sex	S&Es, total	U.S. citizen			Non-U.S. citizen		
		Total ¹	Native	Naturalized	Total ²	Permanent resident	Temporary resident
All degree levels³ — continued							
Other physical sciences	66,600	64,300	60,600	3,600	2,400	1,800	600
Male	46,900	45,500	42,900	2,600	1,400	1,000	300
Female	19,800	18,700	17,700	1,100	1,000	800	200
Social/related sciences, total	3,410,000	3,324,500	3,159,500	164,900	85,500	72,800	12,400
Male	1,668,600	1,629,000	1,552,300	76,700	39,600	32,700	6,600
Female	1,741,400	1,695,400	1,607,200	88,200	45,900	40,100	5,900
Economics	481,900	455,700	419,400	36,300	26,300	21,100	5,100
Male	363,600	345,400	323,600	21,700	18,200	14,300	3,900
Female	118,400	110,300	95,800	14,500	8,100	6,800	1,200
Political/related sciences	630,500	616,500	585,300	31,200	14,000	10,500	3,200
Male	393,700	386,700	367,200	19,500	7,000	5,200	1,600
Female	236,800	229,800	218,100	11,700	7,000	5,300	1,700
Psychology	1,254,400	1,230,200	1,178,900	51,300	24,200	22,500	1,600
Male	466,200	460,200	443,100	17,200	5,900	5,800	100
Female	788,300	770,000	735,800	34,200	18,300	16,700	1,500
Sociology/anthropology	666,200	655,200	632,000	23,100	11,000	10,100	900
Male	251,500	247,700	238,600	9,100	3,700	3,400	300
Female	414,700	407,400	393,400	14,000	7,300	6,700	600
Other social sciences	377,000	366,900	343,900	23,000	10,100	8,500	1,500
Male	193,700	189,000	179,800	9,300	4,700	4,100	700
Female	183,200	177,900	164,100	13,800	5,400	4,500	900
Engineering, total	2,253,600	2,122,200	1,839,900	282,300	131,500	105,000	26,400
Male	2,066,500	1,949,700	1,696,300	253,400	116,800	92,900	23,900
Female	187,200	172,500	143,600	28,900	14,700	12,200	2,500
Aerospace/related engineering	99,100	96,500	86,500	10,000	2,600	2,100	500
Male	94,000	91,400	81,900	9,500	2,600	2,100	500
Female	5,100	5,100	4,600	500	S	S	S
Chemical engineering	173,400	161,800	136,900	24,900	11,600	9,500	2,100
Male	145,400	136,100	116,200	19,900	9,300	7,600	1,800
Female	27,900	25,700	20,700	5,000	2,200	1,900	300
Civil/architectural engineering	370,000	346,100	291,600	54,500	23,900	19,100	4,700
Male	337,500	316,000	267,900	48,100	21,600	17,100	4,400
Female	32,400	30,100	23,700	6,400	2,300	2,000	300
Electrical/related engineering	663,700	618,400	527,000	91,300	45,400	35,000	10,300
Male	619,200	578,600	496,000	82,500	40,600	31,300	9,300
Female	44,500	39,800	31,000	8,800	4,700	3,700	1,000
Industrial engineering	129,800	121,900	111,900	10,000	8,000	6,700	1,300
Male	109,900	103,400	95,500	7,900	6,600	5,400	1,100
Female	19,900	18,500	16,400	2,100	1,400	1,300	200
Mechanical engineering	461,400	441,500	388,400	53,100	19,900	16,000	3,800
Male	438,600	419,500	368,500	51,000	19,100	15,400	3,700
Female	22,800	22,000	19,900	2,100	800	600	200

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

Table B-11. U.S. scientists and engineers, by level and field of highest degree attained, sex, and citizenship status: 1995

Level and field of highest degree, and sex	S&Es, total	U.S. citizen			Non-U.S. citizen		
		Total ¹	Native	Naturalized	Total ²	Permanent resident	Temporary resident
All degree levels³ — continued							
Other engineering	356,300	336,100	297,600	38,600	20,200	16,600	3,600
Male	321,800	304,800	270,200	34,600	17,000	13,900	3,100
Female	34,500	31,300	27,300	4,000	3,200	2,700	500
Non-S&E degrees, total	3,128,200	3,059,200	2,877,000	182,200	69,100	62,500	6,300
Male	2,074,200	2,029,300	1,907,700	121,700	44,900	40,000	4,700
Female	1,054,000	1,029,800	969,300	60,500	24,200	22,500	1,700
Bachelor's							
All degree fields, total	7,223,300	7,023,800	6,525,600	498,100	199,500	176,300	22,800
Male	4,655,200	4,533,100	4,208,300	324,800	122,100	108,100	13,800
Female	2,568,100	2,490,700	2,317,300	173,300	77,400	68,200	9,000
S&E degree fields, total	6,657,900	6,472,500	6,012,800	459,700	185,300	162,700	22,200
Male	4,274,000	4,160,100	3,861,200	298,900	114,000	100,600	13,300
Female	2,383,800	2,312,400	2,151,600	160,800	71,400	62,200	9,000
Sciences, total	4,972,400	4,848,600	4,566,000	282,600	123,800	107,900	15,600
Male	2,728,500	2,669,000	2,526,700	142,300	59,500	51,800	7,600
Female	2,243,900	2,179,600	2,039,300	140,300	64,300	56,100	8,000
Computer/math sciences, total	790,000	761,300	697,300	64,000	28,700	25,100	3,400
Male	493,500	476,100	440,300	35,800	17,400	15,600	1,600
Female	296,500	285,200	257,000	28,200	11,300	9,500	1,800
Computer/information sciences	389,400	372,700	331,700	41,000	16,700	14,400	2,300
Male	257,800	246,600	223,100	23,500	11,200	9,800	1,400
Female	131,700	126,100	108,600	17,500	5,600	4,600	900
Mathematical sciences	400,600	388,600	365,600	23,000	11,900	10,700	1,100
Male	235,700	229,500	217,200	12,400	6,200	5,800	200
Female	164,800	159,100	148,400	10,700	5,800	4,900	900
Life/related sciences, total	1,023,400	998,900	936,100	62,800	24,500	20,000	4,200
Male	578,800	569,200	538,300	30,900	9,700	7,800	1,800
Female	444,500	429,700	397,800	31,900	14,800	12,100	2,400
Agricultural/food sciences	204,500	201,900	193,300	8,600	2,600	2,200	300
Male	154,000	152,200	146,200	6,000	1,700	1,400	300
Female	50,500	49,700	47,100	2,600	800	800	S
Biological sciences	739,800	718,500	665,800	52,800	21,200	17,100	3,900
Male	364,400	356,900	333,000	23,900	7,500	6,000	1,500
Female	375,400	361,600	332,700	28,900	13,800	11,100	2,400
Environmental life sciences	79,100	78,400	77,000	1,400	700	700	S
Male	60,500	60,000	59,000	1,000	500	500	S
Female	18,600	18,400	18,000	400	200	200	S
Physical/related sciences, total	485,400	467,500	432,100	35,500	17,800	15,200	2,600
Male	358,400	347,300	326,100	21,200	11,200	9,500	1,700
Female	126,900	120,300	105,900	14,300	6,700	5,700	900
Chemistry, except biochemistry	232,900	222,600	198,800	23,800	10,300	8,800	1,500
Male	150,900	145,700	133,800	11,900	5,200	4,300	900
Female	82,000	76,800	65,000	11,900	5,100	4,600	600

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Table B-11. U.S. scientists and engineers, by level and field of highest degree attained, sex, and citizenship status: 1995

Level and field of highest degree, and sex	S&Es, total	U.S. citizen			Non-U.S. citizen		
		Total ¹	Native	Naturalized	Total ²	Permanent resident	Temporary resident
Bachelor's — continued							
Earth science, geology and oceanography	114,500	112,400	108,500	3,800	2,100	2,000	100
Male	95,300	93,500	90,500	3,000	1,900	1,800	100
Female	19,200	18,900	18,100	900	200	200	S
Physics/astronomy	87,200	83,400	78,400	4,900	3,800	3,200	600
Male	77,100	73,700	69,600	4,200	3,300	2,900	500
Female	10,100	9,600	8,900	800	500	300	200
Other physical sciences	50,700	49,200	46,300	2,900	1,500	1,200	300
Male	35,100	34,300	32,200	2,100	700	600	100
Female	15,700	14,900	14,000	800	800	600	200
Social/related sciences, total	2,673,700	2,620,900	2,500,500	120,300	52,800	47,600	5,300
Male	1,297,800	1,276,400	1,222,100	54,400	21,300	18,800	2,500
Female	1,375,900	1,344,400	1,278,500	65,900	31,500	28,700	2,800
Economics	407,500	390,900	363,800	27,100	16,600	14,800	1,900
Male	304,800	293,900	278,200	15,700	10,900	9,400	1,500
Female	102,700	97,000	85,600	11,400	5,700	5,300	400
Political/related sciences	536,200	527,400	502,300	25,100	8,900	6,700	2,100
Male	330,500	326,300	310,500	15,800	4,200	3,300	900
Female	205,800	201,100	191,700	9,300	4,700	3,500	1,200
Psychology	849,000	833,600	798,400	35,200	15,500	14,800	700
Male	300,800	298,300	286,400	11,900	2,500	2,500	S
Female	548,200	535,300	512,000	23,300	13,000	12,300	700
Sociology/anthropology	592,400	585,500	568,100	17,300	6,900	6,600	300
Male	214,200	212,200	206,400	5,700	2,000	1,900	100
Female	378,200	373,300	361,700	11,600	4,900	4,600	300
Other social sciences	288,500	283,600	267,900	15,700	5,000	4,700	200
Male	147,500	145,700	140,500	5,300	1,800	1,800	S
Female	141,000	137,800	127,400	10,400	3,200	3,000	200
Engineering, total	1,685,500	1,623,900	1,446,900	177,100	61,500	54,900	6,700
Male	1,545,500	1,491,100	1,334,500	156,600	54,500	48,800	5,700
Female	139,900	132,900	112,400	20,500	7,100	6,100	1,000
Aerospace/related engineering	71,000	70,000	62,400	7,600	1,100	1,000	100
Male	66,500	65,500	58,300	7,200	1,000	1,000	S
Female	4,500	4,500	4,100	400	S	S	S
Chemical engineering	130,500	124,300	108,600	15,700	6,100	5,400	700
Male	106,900	102,500	90,600	11,900	4,400	3,800	600
Female	23,600	21,900	18,000	3,900	1,700	1,600	100
Civil/architectural engineering	287,300	274,400	240,100	34,300	12,900	12,000	900
Male	262,000	250,600	220,300	30,200	11,400	10,800	700
Female	25,300	23,800	19,700	4,100	1,400	1,200	200
Electrical/related engineering	485,900	464,600	405,800	58,800	21,300	18,100	3,200
Male	453,100	434,100	381,600	52,600	18,900	16,000	2,900
Female	32,800	30,500	24,300	6,200	2,300	2,000	300

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

Table B-11. U.S. scientists and engineers, by level and field of highest degree attained, sex, and citizenship status: 1995

Level and field of highest degree, and sex	S&Es, total	U.S. citizen			Non-U.S. citizen		
		Total ¹	Native	Naturalized	Total ²	Permanent resident	Temporary resident
Bachelor's — continued							
Industrial engineering	103,800	100,400	94,300	6,100	3,400	3,200	200
Male	88,200	85,300	80,600	4,700	2,900	2,800	100
Female	15,600	15,100	13,800	1,400	500	400	100
Mechanical engineering	377,400	367,200	331,300	35,900	10,200	9,000	1,100
Male	358,600	348,900	314,800	34,100	9,700	8,700	1,000
Female	18,800	18,300	16,500	1,900	400	300	100
Other engineering	229,600	222,900	204,300	18,600	6,700	6,300	400
Male	210,200	204,200	188,300	15,900	6,000	5,700	300
Female	19,400	18,700	16,100	2,700	700	600	100
Non-S&E degrees, total	565,400	551,300	512,800	38,500	14,100	13,600	600
Male	381,100	373,000	347,100	25,900	8,100	7,500	600
Female	184,300	178,200	165,700	12,500	6,100	6,100	S
Master's							
All degree fields, total	3,125,600	2,968,300	2,708,900	259,500	157,300	116,600	40,500
Male	1,983,300	1,872,000	1,692,200	179,800	111,200	80,200	30,900
Female	1,142,300	1,096,300	1,016,700	79,600	46,100	36,400	9,600
S&E degree fields, total	1,613,200	1,489,700	1,315,900	173,800	123,500	86,600	36,600
Male	1,073,300	984,000	858,900	125,100	89,300	60,600	28,500
Female	539,900	505,700	456,900	48,700	34,200	26,000	8,100
Sciences, total	1,145,500	1,074,200	982,200	92,000	71,200	50,700	20,200
Male	646,700	603,500	553,000	50,500	43,100	29,600	13,300
Female	498,800	470,700	429,300	41,500	28,100	21,100	6,900
Computer/math sciences, total	259,700	233,700	200,700	33,000	26,000	18,700	7,300
Male	176,700	158,000	135,400	22,600	18,700	12,400	6,300
Female	83,100	75,700	65,300	10,400	7,300	6,200	1,100
Computer/information sciences	143,100	123,500	100,300	23,200	19,600	14,000	5,600
Male	102,200	87,400	70,900	16,500	14,800	9,800	5,000
Female	40,900	36,200	29,400	6,700	4,800	4,200	600
Mathematical sciences	116,600	110,200	100,300	9,800	6,400	4,700	1,700
Male	74,500	70,600	64,500	6,100	3,900	2,600	1,200
Female	42,100	39,600	35,900	3,700	2,600	2,000	500
Life/related sciences, total	188,000	177,600	162,600	15,000	10,500	6,700	3,700
Male	104,200	99,800	93,700	6,100	4,500	2,900	1,500
Female	83,800	77,800	68,900	8,900	6,000	3,800	2,200
Agricultural/food sciences	32,500	30,100	27,700	2,400	2,400	1,100	1,300
Male	22,800	21,600	20,500	1,100	1,200	500	700
Female	9,700	8,500	7,200	1,300	1,200	600	600
Biological sciences	137,300	129,700	118,000	11,700	7,600	5,400	2,300
Male	69,800	66,900	62,600	4,300	2,900	2,200	700
Female	67,500	62,800	55,400	7,400	4,700	3,100	1,600
Environmental life sciences	18,100	17,700	16,800	900	400	200	200
Male	11,600	11,300	10,500	700	300	200	200
Female	6,500	6,400	6,300	200	100	S	S

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

Table B-11. U.S. scientists and engineers, by level and field of highest degree attained, sex, and citizenship status: 1995

Level and field of highest degree, and sex	S&Es, total	U.S. citizen			Non-U.S. citizen		
		Total ¹	Native	Naturalized	Total ²	Permanent resident	Temporary resident
Master's — continued							
Physical/related sciences, total	140,000	128,200	116,000	12,200	11,700	8,500	3,300
Male	107,800	99,100	91,300	7,800	8,700	6,300	2,400
Female	32,200	29,200	24,700	4,400	3,000	2,200	800
Chemistry, except biochemistry	45,000	40,600	34,100	6,500	4,400	3,200	1,200
Male	30,200	27,600	24,200	3,300	2,700	1,800	900
Female	14,700	13,000	9,900	3,200	1,700	1,400	300
Earth science, geology and oceanography	42,100	40,100	38,300	1,800	2,000	1,500	500
Male	33,300	31,500	29,900	1,600	1,800	1,300	400
Female	8,900	8,600	8,400	200	300	200	100
Physics/astronomy	38,700	33,900	30,500	3,400	4,800	3,400	1,400
Male	33,800	29,900	27,400	2,500	3,800	2,900	1,000
Female	4,900	4,000	3,100	900	1,000	600	400
Other physical sciences	14,200	13,700	13,200	500	600	300	200
Male	10,500	10,100	9,800	300	500	300	200
Female	3,700	3,600	3,400	200	100	100	S
Social/related sciences, total	557,700	534,700	503,000	31,800	23,000	16,900	5,900
Male	257,900	246,700	232,600	14,100	11,300	7,900	3,100
Female	299,800	288,100	270,300	17,700	11,700	9,000	2,800
Economics	50,400	43,900	37,300	6,600	6,500	4,100	2,500
Male	38,200	33,500	29,700	3,900	4,700	2,900	1,700
Female	12,200	10,400	7,700	2,700	1,900	1,200	700
Political/related sciences	77,200	73,200	68,600	4,600	4,100	2,900	1,000
Male	49,500	47,500	45,000	2,500	1,900	1,100	600
Female	27,800	25,600	23,500	2,100	2,200	1,800	400
Psychology	309,000	302,900	291,400	11,500	6,100	5,300	800
Male	112,400	110,500	107,400	3,100	1,900	1,800	100
Female	196,600	192,400	184,000	8,400	4,200	3,400	700
Sociology/anthropology	49,000	46,200	42,400	3,800	2,800	2,300	500
Male	22,000	21,000	19,100	2,000	1,000	800	200
Female	26,900	25,100	23,300	1,800	1,800	1,500	300
Other social sciences	72,100	68,600	63,300	5,300	3,500	2,300	1,200
Male	35,900	34,100	31,400	2,600	1,800	1,200	600
Female	36,300	34,500	31,900	2,600	1,700	1,100	600
Engineering, total	467,700	415,400	333,600	81,800	52,300	35,900	16,400
Male	426,600	380,500	306,000	74,500	46,100	31,000	15,200
Female	41,100	34,900	27,700	7,300	6,100	4,900	1,200
Aerospace/related engineering	23,600	22,500	20,900	1,600	1,200	900	300
Male	23,000	21,900	20,400	1,500	1,200	800	300
Female	600	600	500	100	S	S	S
Chemical engineering	28,600	25,300	19,300	5,900	3,300	2,400	900
Male	25,400	22,500	17,600	4,900	2,900	2,100	800
Female	3,200	2,800	1,700	1,000	400	300	100

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

Table B-11. U.S. scientists and engineers, by level and field of highest degree attained, sex, and citizenship status: 1995

Level and field of highest degree, and sex	S&Es, total	U.S. citizen			Non-U.S. citizen		
		Total ¹	Native	Naturalized	Total ²	Permanent resident	Temporary resident
Master's — continued							
Civil/architectural engineering	73,600	64,700	47,300	17,400	8,900	5,500	3,400
Male	67,100	58,900	43,500	15,300	8,200	4,900	3,300
Female	6,500	5,800	3,800	2,000	700	600	100
Electrical/related engineering	151,800	132,800	106,600	26,200	18,900	12,800	6,200
Male	141,200	124,200	100,400	23,900	17,000	11,400	5,600
Female	10,600	8,600	6,200	2,400	2,000	1,400	600
Industrial engineering	23,200	19,400	16,000	3,400	3,800	2,800	1,000
Male	19,400	16,300	13,600	2,700	3,000	2,100	900
Female	3,800	3,100	2,400	700	700	700	100
Mechanical engineering	72,200	64,900	50,500	14,400	7,200	5,000	2,300
Male	68,500	61,500	47,300	14,200	7,000	4,800	2,200
Female	3,700	3,500	3,300	200	200	200	S
Other engineering	94,700	85,900	73,000	12,800	8,900	6,600	2,300
Male	82,000	75,200	63,200	12,000	6,800	4,800	2,000
Female	12,700	10,600	9,800	900	2,100	1,800	300
Non-S&E degrees, total	1,512,400	1,478,700	1,393,000	85,600	33,800	30,000	3,800
Male	910,000	888,000	833,300	54,800	22,000	19,600	2,400
Female	602,400	590,600	559,700	30,900	11,800	10,400	1,400
Doctorate							
All degree fields, total	779,600	700,200	602,900	97,300	79,500	66,200	12,800
Male	589,300	526,600	447,800	78,800	62,700	52,300	10,100
Female	190,400	173,600	155,100	18,500	16,700	14,000	2,800
S&E degree fields, total	627,200	556,000	469,200	86,800	71,200	59,400	11,700
Male	489,100	432,300	361,200	71,200	56,700	47,400	9,100
Female	138,200	123,700	108,100	15,600	14,500	12,000	2,500
Sciences, total	526,800	473,200	409,800	63,400	53,600	45,100	8,300
Male	394,700	354,200	305,300	48,900	40,500	34,300	6,100
Female	132,000	119,000	104,500	14,500	13,100	10,800	2,300
Computer/math sciences, total	40,300	32,800	26,500	6,300	7,500	6,000	1,500
Male	34,500	28,200	23,100	5,100	6,300	5,200	1,100
Female	5,800	4,600	3,500	1,100	1,200	800	400
Computer/information sciences	11,400	7,800	6,300	1,500	3,600	2,700	800
Male	9,200	6,200	5,100	1,100	3,000	2,400	600
Female	2,100	1,600	1,200	300	500	300	200
Mathematical sciences	28,900	25,000	20,200	4,800	3,900	3,200	700
Male	25,200	22,000	18,000	4,000	3,200	2,700	500
Female	3,700	3,000	2,200	800	700	500	200
Life/related sciences, total	179,400	159,500	134,900	24,700	19,900	16,400	3,400
Male	130,100	116,600	98,300	18,300	13,500	11,300	2,200
Female	49,300	43,000	36,600	6,400	6,300	5,200	1,200
Agricultural/food sciences	19,900	17,800	15,500	2,300	2,100	1,600	500
Male	16,900	15,400	13,500	1,900	1,400	1,100	300
Female	3,000	2,400	2,000	300	700	400	200

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

Table B-11. U.S. scientists and engineers, by level and field of highest degree attained, sex, and citizenship status: 1995

Level and field of highest degree, and sex	S&Es, total	U.S. citizen			Non-U.S. citizen		
		Total ¹	Native	Naturalized	Total ²	Permanent resident	Temporary resident
Doctorate — continued							
Biological sciences	154,200	136,800	114,700	22,100	17,400	14,600	2,800
Male	108,500	96,500	80,500	16,100	11,900	10,000	1,900
Female	45,800	40,300	34,200	6,000	5,500	4,600	900
Environmental life sciences	5,200	5,000	4,700	300	300	200	S
Male	4,800	4,600	4,400	300	200	100	S
Female	400	300	300	S	100	100	S
Physical/related sciences, total	136,300	119,500	99,100	20,400	16,800	14,600	2,100
Male	120,500	106,600	89,100	17,500	13,900	12,100	1,800
Female	15,800	13,000	10,000	2,900	2,900	2,500	400
Chemistry, except biochemistry	71,400	63,500	51,900	11,600	7,900	6,900	900
Male	61,000	54,800	45,300	9,500	6,100	5,400	700
Female	10,400	8,700	6,600	2,100	1,700	1,500	200
Earth science, geology and oceanography	17,800	16,100	14,600	1,600	1,700	1,500	200
Male	15,900	14,500	13,000	1,500	1,500	1,300	200
Female	1,900	1,700	1,600	100	200	200	S
Physics/astronomy	45,400	38,400	31,500	7,000	6,900	5,900	1,000
Male	42,300	36,200	29,900	6,300	6,100	5,300	900
Female	3,100	2,300	1,600	700	800	700	100
Other physical sciences	1,700	1,400	1,100	300	300	300	S
Male	1,200	1,100	900	200	200	100	S
Female	400	300	200	100	100	100	S
Social/related sciences, total	170,800	161,300	149,300	12,000	9,500	8,100	1,300
Male	109,700	102,900	94,900	8,000	6,800	5,700	1,000
Female	61,100	58,400	54,400	4,000	2,700	2,400	300
Economics	24,000	20,900	18,300	2,600	3,100	2,300	800
Male	20,600	17,900	15,800	2,100	2,700	1,900	700
Female	3,400	3,000	2,500	500	500	300	100
Political/related sciences	17,000	16,000	14,500	1,500	1,000	900	100
Male	13,800	12,800	11,600	1,200	900	800	100
Female	3,300	3,200	2,900	300	100	100	S
Psychology	88,600	86,200	82,400	3,800	2,500	2,300	100
Male	49,700	48,400	46,400	1,900	1,300	1,200	100
Female	38,900	37,800	35,900	1,900	1,100	1,100	100
Sociology/anthropology	24,800	23,500	21,500	2,000	1,300	1,200	100
Male	15,200	14,500	13,100	1,400	700	700	100
Female	9,600	9,000	8,400	600	600	500	S
Other social sciences	16,400	14,800	12,700	2,100	1,600	1,400	100
Male	10,400	9,300	7,900	1,300	1,100	1,100	100
Female	6,000	5,500	4,800	800	400	400	100
Engineering, total	100,500	82,800	59,400	23,400	17,700	14,300	3,300
Male	94,300	78,100	55,800	22,300	16,200	13,100	3,000
Female	6,100	4,700	3,600	1,100	1,400	1,200	300

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

Table B-11. U.S. scientists and engineers, by level and field of highest degree attained, sex, and citizenship status: 1995

Level and field of highest degree, and sex	S&Es, total	U.S. citizen			Non-U.S. citizen		
		Total ¹	Native	Naturalized	Total ²	Permanent resident	Temporary resident
Doctorate — continued							
Aerospace/related engineering	4,500	4,000	3,200	800	400	300	100
Male	4,400	4,000	3,200	800	400	300	100
Female	S	S	S	S	S	S	S
Chemical engineering	14,300	12,200	9,000	3,200	2,100	1,700	400
Male	13,100	11,100	8,100	3,100	2,000	1,600	300
Female	1,200	1,100	1,000	100	100	100	S
Civil/architectural engineering	9,100	7,000	4,200	2,800	2,100	1,600	400
Male	8,400	6,500	4,000	2,500	1,900	1,500	400
Female	600	500	200	200	200	200	S
Electrical/related engineering	26,000	20,900	14,600	6,300	5,200	4,200	1,000
Male	25,000	20,200	14,100	6,100	4,700	3,900	800
Female	1,100	600	400	200	400	300	100
Industrial engineering	2,800	2,000	1,600	400	800	700	100
Male	2,400	1,700	1,300	400	600	500	100
Female	500	300	200	S	200	200	S
Mechanical engineering	11,800	9,300	6,500	2,800	2,500	2,000	500
Male	11,500	9,100	6,400	2,700	2,300	1,900	500
Female	300	200	100	100	100	100	S
Other engineering	31,900	27,300	20,200	7,100	4,600	3,700	900
Male	29,600	25,300	18,700	6,600	4,200	3,400	800
Female	2,400	2,000	1,500	500	400	300	100
Non-S&E degrees, total	152,400	144,200	133,700	10,500	8,200	6,800	1,200
Male	100,200	94,200	86,600	7,600	6,000	4,800	900
Female	52,200	50,000	47,100	2,900	2,200	2,000	300

- 1 Includes U.S. citizens who did not specify mode of gaining citizenship
- 2 Includes non-citizens who did not specify visa status
- 3 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)