

Table D-9. U.S. scientists and engineers, by highest degree attained, broad occupation, sex, and age: 1995

Highest degree, occupation, and sex	S&Es, total	Age range				
		<30	30-39	40-49	50-59	60+
All degree levels¹						
All occupations, total²	11,987,100	1,531,600	3,231,500	3,674,100	1,933,600	1,616,400
Male	7,892,900	827,900	1,985,900	2,435,100	1,402,400	1,241,600
Female	4,094,200	703,700	1,245,600	1,239,000	531,100	374,800
S&E occupations, total	3,708,400	472,200	1,191,700	1,003,900	531,100	509,400
Male	2,873,000	325,800	870,800	768,900	446,000	461,400
Female	835,500	146,400	321,000	235,000	85,100	48,000
Scientists, total	2,096,500	280,400	677,200	635,600	300,100	203,200
Male	1,394,900	167,900	424,600	422,900	219,700	159,900
Female	701,500	112,500	252,600	212,700	80,400	43,300
Computer/math scientists, total	1,037,000	124,800	393,700	330,600	131,500	56,400
Male	724,000	87,600	264,400	228,000	98,300	45,600
Female	313,000	37,200	129,200	102,600	33,200	10,800
Life/related scientists, total	364,700	58,200	105,200	105,200	54,000	42,000
Male	234,500	30,600	54,600	72,800	41,900	34,500
Female	130,200	27,600	50,600	32,400	12,100	7,600
Physical/related scientists, total ...	331,000	46,400	99,900	79,900	49,500	55,200
Male	255,200	30,200	71,400	63,200	42,900	47,500
Female	75,800	16,200	28,500	16,700	6,600	7,700
Social/related scientists, total	363,800	51,000	78,400	119,800	65,100	49,500
Male	181,300	19,400	34,100	58,800	36,600	32,300
Female	182,500	31,600	44,200	60,900	28,500	17,200
Engineers, total	1,611,900	191,900	514,500	368,300	231,100	306,200
Male	1,478,000	158,000	446,200	346,100	226,300	301,500
Female	133,900	33,900	68,400	22,300	4,700	4,700
Non-S&E occupations, total	8,278,700	1,059,400	2,039,700	2,670,100	1,402,400	1,107,000
Male	5,020,000	502,100	1,115,100	1,666,100	956,400	780,200
Female	3,258,700	557,300	924,600	1,004,000	446,000	326,800
Managers/administrators	2,245,900	150,700	500,900	800,400	474,800	319,200
Male	1,650,100	80,200	324,300	582,600	382,100	280,800
Female	595,900	70,500	176,600	217,700	92,700	38,400
Other non-S&E occupations	6,032,800	908,700	1,538,900	1,869,800	927,600	787,800
Male	3,369,900	421,800	790,900	1,083,500	574,300	499,400
Female	2,662,900	486,800	748,000	786,300	353,400	288,400

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

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Highest degree, occupation, and sex	S&Es, total	Age range				
		<30	30-39	40-49	50-59	60+
Bachelor's						
All occupations, total²	7,186,800	1,308,900	2,025,400	1,992,300	929,400	930,900
Male	4,638,200	702,700	1,243,300	1,311,300	669,300	711,600
Female	2,548,600	606,200	782,100	680,900	260,100	219,300
S&E occupations, total	2,182,200	382,000	733,000	522,100	242,200	302,900
Male	1,730,900	263,800	548,700	423,200	212,400	282,700
Female	451,300	118,200	184,300	98,800	29,800	20,200
Scientists, total	1,068,000	226,300	379,000	288,800	103,800	70,100
Male	709,700	136,300	239,300	203,700	76,700	53,700
Female	358,400	90,000	139,700	85,100	27,200	16,400
Computer/math scientists, total	681,300	101,700	275,400	203,600	72,000	28,600
Male	467,100	70,800	181,200	141,400	51,700	22,000
Female	214,200	30,900	94,200	62,300	20,300	6,600
Life/related scientists, total	151,600	50,200	41,400	36,700	13,900	9,400
Male	91,600	26,800	18,300	28,200	11,200	7,100
Female	60,000	23,300	23,100	8,500	2,800	2,300
Physical/related scientists, total ...	158,200	37,500	48,800	32,300	14,300	25,200
Male	114,000	24,100	34,100	23,900	11,900	19,900
Female	44,200	13,400	14,700	8,400	2,400	5,300
Social/related scientists, total	76,900	36,900	13,300	16,200	3,700	6,800
Male	37,000	14,600	5,700	10,200	1,900	4,600
Female	39,900	22,400	7,700	5,900	1,700	2,200
Engineers, total	1,114,100	155,700	354,000	233,200	138,300	232,800
Male	1,021,200	127,500	309,400	219,500	135,700	229,100
Female	92,900	28,200	44,600	13,700	2,600	3,800
Non-S&E occupations, total	5,004,600	926,800	1,292,400	1,470,200	687,200	628,000
Male	2,907,300	438,900	694,600	888,100	456,900	428,900
Female	2,097,300	488,000	597,800	582,100	230,300	199,100
Managers/administrators	1,276,300	127,200	315,000	422,300	221,200	190,700
Male	934,000	67,500	208,900	309,200	179,500	168,800
Female	342,300	59,700	106,100	113,100	41,600	21,800
Other non-S&E occupations	3,728,300	799,700	977,400	1,047,900	466,000	437,300
Male	1,973,300	371,400	485,700	578,900	277,400	260,000
Female	1,755,000	428,300	491,700	469,000	188,700	177,300

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

Table D-9. U.S. scientists and engineers, by highest degree attained, broad occupation, sex, and age: 1995

Highest degree, occupation, and sex	S&Es, total	Age range				
		<30	30-39	40-49	50-59	60+
Master's						
All occupations, total²	3,114,600	167,100	765,000	1,090,200	655,100	437,200
Male	1,978,400	91,700	450,200	680,700	447,300	308,500
Female	1,136,100	75,300	314,800	409,500	207,800	128,700
S&E occupations, total	1,021,400	80,500	324,500	322,000	175,300	119,100
Male	752,200	55,200	228,700	228,300	139,800	100,300
Female	269,300	25,300	95,900	93,700	35,500	18,800
Scientists, total	606,100	47,000	190,400	208,200	99,200	61,300
Male	372,000	27,000	114,600	121,700	65,400	43,300
Female	234,100	20,000	75,800	86,500	33,800	17,900
Computer/math scientists, total	293,300	21,800	99,800	106,800	45,000	20,000
Male	205,800	15,900	68,600	70,300	34,100	16,900
Female	87,600	5,900	31,200	36,500	10,900	3,100
Life/related scientists, total	77,600	6,100	25,300	25,200	12,200	8,700
Male	42,500	2,700	11,700	14,400	8,000	5,800
Female	35,000	3,400	13,600	10,800	4,200	2,900
Physical/related scientists, total ...	81,300	6,600	27,000	22,300	13,400	12,000
Male	61,200	4,300	18,300	16,900	10,900	10,800
Female	20,100	2,300	8,800	5,400	2,500	1,200
Social/related scientists, total	153,900	12,500	38,300	53,900	28,600	20,500
Male	62,500	4,200	16,100	20,000	12,400	9,900
Female	91,300	8,400	22,200	33,900	16,200	10,700
Engineers, total	415,300	33,500	134,100	113,800	76,100	57,800
Male	380,200	28,200	114,100	106,600	74,400	57,000
Female	35,200	5,300	20,100	7,200	1,700	800
Non-S&E occupations, total	2,093,100	86,600	440,400	768,200	479,800	318,100
Male	1,226,200	36,600	221,600	452,400	307,500	208,200
Female	866,900	50,000	218,900	315,800	172,300	109,900
Managers/administrators	781,700	22,100	162,200	310,900	191,100	95,300
Male	569,000	11,600	99,500	225,600	151,100	81,200
Female	212,700	10,500	62,700	85,300	40,000	14,100
Other non-S&E occupations	1,311,400	64,400	278,200	457,300	288,700	222,800
Male	657,300	24,900	122,100	226,800	156,500	127,000
Female	654,200	39,500	156,100	230,500	132,300	95,800

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

Table D-9. U.S. scientists and engineers, by highest degree attained, broad occupation, sex, and age: 1995

Highest degree, occupation, and sex	S&Es, total	Age range				
		<30	30-39	40-49	50-59	60+
Doctorate						
All occupations, total ²	778,400	17,000	164,700	247,800	208,200	140,700
Male	588,500	9,400	110,500	178,500	168,100	122,100
Female	189,800	7,600	54,200	69,300	40,100	18,700
S&E occupations, total	468,500	9,000	124,500	147,700	108,800	78,600
Male	364,000	6,200	86,800	110,800	89,900	70,400
Female	104,500	2,800	37,700	36,900	18,900	8,300
Scientists, total	389,900	6,500	98,900	127,300	92,300	64,800
Male	291,100	4,000	64,900	91,700	73,800	56,700
Female	98,800	2,500	34,100	35,600	18,600	8,100
Computer/math scientists, total	59,000	1,300	16,500	19,500	14,300	7,500
Male	48,000	900	12,800	15,800	12,200	6,300
Female	11,000	400	3,800	3,700	2,100	1,100
Life/related scientists, total	116,300	1,700	33,100	37,700	24,800	19,000
Male	85,800	900	20,800	27,100	20,100	16,900
Female	30,500	800	12,300	10,600	4,700	2,100
Physical/related scientists, total ...	90,800	2,200	24,000	25,300	21,800	17,500
Male	79,800	1,700	18,900	22,300	20,000	16,800
Female	11,000	400	5,100	3,000	1,800	700
Social/related scientists, total	123,700	1,400	25,200	44,800	31,500	20,800
Male	77,400	500	12,400	26,500	21,400	16,700
Female	46,300	900	12,900	18,300	10,000	4,200
Engineers, total	78,700	2,500	25,600	20,400	16,500	13,800
Male	72,900	2,200	21,900	19,000	16,100	13,700
Female	5,700	300	3,700	1,300	400	100
Non-S&E occupations, total	309,800	8,000	40,200	100,100	99,400	62,100
Male	224,500	3,100	23,700	67,700	78,300	51,700
Female	85,300	4,800	16,500	32,500	21,100	10,400
Managers/administrators	131,700	900	12,300	43,900	49,900	24,700
Male	106,600	900	7,900	33,600	41,500	22,700
Female	25,100	S	4,400	10,300	8,400	2,000
Other non-S&E occupations	178,100	7,000	27,800	56,300	49,500	37,400
Male	117,900	2,300	15,800	34,100	36,700	29,000
Female	60,200	4,800	12,100	22,100	12,800	8,400

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)