

Table D-2. U.S. scientists and engineers, by highest degree attained, occupation, and employment status: 1995

Highest degree and occupation	S&Es, total	Employed			Unemploy- ed/seeking job	Not in labor force		
		Total	Full-time	Part-time		Total	Retired	Not seeking job
All degree levels¹								
All occupations, total²	11,987,100	10,114,500	9,098,200	1,016,300	245,900	1,626,700	928,700	698,000
S&E occupations, total	3,708,400	3,185,600	2,942,600	243,000	70,600	452,200	316,600	135,700
Scientists, total	2,096,500	1,846,600	1,659,600	186,900	34,400	215,500	113,700	101,800
Computer/math sci, total	1,037,000	949,500	888,400	61,000	16,800	70,800	35,200	35,500
Computer/information scientists	907,800	839,600	804,900	34,800	15,100	53,000	24,100	29,000
Mathematical scientists	47,000	37,900	35,000	2,900	600	8,500	5,600	2,900
Postsecondary teachers- computer math sci	82,200	72,000	48,600	23,400	1,000	9,200	5,600	3,600
Life/related scientists, total	364,700	305,300	276,000	29,300	6,200	53,200	26,300	26,900
Agricultural/food scientists	51,500	43,400	40,300	3,100	800	7,300	5,800	1,500
Biological scientists	201,600	168,600	156,500	12,100	4,300	28,700	10,500	18,300
Environmental life scientists	25,000	20,100	18,900	1,200	500	4,400	3,300	1,000
Postsecondary teachers- life/related sciences	86,500	73,200	60,300	12,900	600	12,700	6,700	6,000
Physical/related scientists, total	331,000	274,300	249,500	24,900	7,500	49,200	33,500	15,700
Chemistry, except biochemistry	138,000	111,400	106,800	4,700	2,500	24,100	16,700	7,400
Earth scientists/ geologists/oceanographers	84,200	70,700	64,700	6,000	2,400	11,100	8,100	3,100
Physicists/astronomers	35,400	29,000	26,700	2,300	1,100	5,300	4,100	1,300
Other physical/related scientists	19,200	17,000	15,900	1,100	300	2,000	800	1,200
Postsecondary teachers- physical/related sci	54,100	46,200	35,400	10,700	1,300	6,700	3,900	2,800
Social/related scientists, total	363,800	317,500	245,800	71,700	3,900	42,400	18,700	23,700
Economists	40,100	33,100	28,700	4,400	1,100	6,000	3,000	3,000
Political/related scientists	10,900	8,900	7,300	1,600	100	1,900	600	1,300
Psychologists	188,100	167,200	125,900	41,300	1,800	19,100	6,400	12,700
Sociologists/anthropologists	19,000	16,000	11,800	4,200	300	2,700	800	1,900
Other social/related scientists	15,400	12,600	10,400	2,200	100	2,700	1,200	1,400
Postsecondary teachers- social/related sci	90,300	79,700	61,700	18,100	600	10,000	6,700	3,300
Engineers, total	1,611,900	1,339,000	1,283,000	56,000	36,200	236,700	202,900	33,800
Aerospace/related engineers	99,300	72,800	70,900	1,900	2,400	24,100	22,000	2,100
Chemical engineers	90,200	71,100	69,200	2,000	1,900	17,200	14,700	2,500
Civil/architectural engineers	238,400	198,900	189,600	9,300	4,100	35,400	31,400	4,100
Electrical/related engineers	421,700	357,400	344,600	12,900	12,200	52,100	45,800	6,400
Industrial engineers	87,500	69,600	67,000	2,600	2,200	15,600	11,100	4,500
Mechanical engineers	307,300	255,100	246,500	8,600	6,200	46,100	40,600	5,500
Other engineers	329,900	282,800	268,800	14,000	7,100	40,000	32,800	7,300
Postsecondary teachers-engineers ..	37,700	31,300	26,400	4,900	200	6,200	4,700	1,500
Non-S&E occupations, total	8,278,700	6,928,900	6,155,600	773,300	175,300	1,174,500	612,100	562,400
Managers/administrators	2,245,900	1,963,200	1,883,500	79,700	32,700	250,000	187,900	62,100
Health/related	863,800	758,000	648,700	109,300	11,200	94,600	37,000	57,500
Teachers, except S&E postsecondary ..	901,300	708,000	585,200	122,800	14,000	179,200	110,500	68,700
Sales/marketing	1,035,400	875,800	772,200	103,600	24,200	135,400	67,300	68,100
Other non-S&E occupations	3,232,400	2,623,900	2,266,100	357,800	93,100	515,300	209,400	305,900

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

Table D-2. U.S. scientists and engineers, by highest degree attained, occupation, and employment status: 1995

Highest degree and occupation	S&Es, total	Employed			Unemploy- ed/seeking job	Not in labor force		
		Total	Full-time	Part-time		Total	Retired	Not seeking job
Bachelor's								
All occupations, total²	7,186,800	5,926,700	5,304,000	622,700	164,400	1,095,600	575,700	519,800
S&E occupations, total	2,182,200	1,845,800	1,727,400	118,400	40,200	296,200	208,000	88,200
Scientists, total	1,068,000	937,500	854,900	82,500	17,300	113,300	48,100	65,200
Computer/math sci, total	681,300	625,500	591,800	33,700	10,500	45,300	19,800	25,500
Computer/information scientists	643,100	595,600	571,700	23,900	10,200	37,300	15,400	22,000
Mathematical scientists	21,800	15,900	14,900	1,100	300	5,500	3,700	1,800
Postsecondary teachers- computer math sci	16,500	14,000	5,200	8,800	S	2,500	700	1,700
Life/related scientists, total	151,600	122,200	105,600	16,600	2,400	26,900	8,400	18,500
Agricultural/food scientists	28,900	24,700	22,800	1,900	200	4,000	3,000	1,000
Biological scientists	87,100	70,200	63,200	7,000	1,500	15,400	3,000	12,400
Environmental life scientists	16,300	13,400	12,800	600	500	2,400	1,900	400
Postsecondary teachers- life/related sciences	19,200	13,900	6,700	7,100	200	5,200	500	4,700
Physical/related scientists, total	158,200	128,300	114,500	13,800	3,200	26,700	16,600	10,100
Chemistry, except biochemistry	82,400	65,300	62,800	2,400	900	16,300	10,400	5,900
Earth scientists/ geologists/oceanographers	42,900	36,200	32,800	3,400	1,000	5,600	4,200	1,400
Physicists/astronomers	9,800	7,200	6,300	900	300	2,200	1,700	500
Other physical/related scientists	10,300	9,300	8,500	800	S	1,000	300	600
Postsecondary teachers- physical/related sci	12,800	10,200	4,000	6,200	1,000	1,600	S	1,600
Social/related scientists, total	76,900	61,500	43,100	18,300	1,100	14,300	3,200	11,000
Economists	14,700	11,100	9,300	1,800	500	3,200	1,400	1,700
Political/related scientists	6,100	4,900	4,200	700	S	1,200	S	1,200
Psychologists	32,500	26,300	19,200	7,200	400	5,800	600	5,100
Sociologists/anthropologists	9,600	7,900	5,600	2,300	S	1,700	S	1,700
Other social/related scientists	5,100	3,900	3,100	800	100	1,200	500	700
Postsecondary teachers- social/related sci	8,900	7,400	1,800	5,500	200	1,400	600	700
Engineers, total	1,114,100	908,300	872,500	35,900	22,900	182,900	159,900	23,000
Aerospace/related engineers	61,900	42,600	41,600	1,000	1,300	18,000	16,600	1,400
Chemical engineers	58,600	45,900	44,500	1,500	600	12,100	10,500	1,700
Civil/architectural engineers	174,900	143,600	137,000	6,700	2,400	28,800	25,500	3,300
Electrical/related engineers	289,600	241,200	233,200	8,000	8,700	39,700	36,500	3,200
Industrial engineers	67,300	52,500	50,500	2,000	1,500	13,300	9,700	3,600
Mechanical engineers	234,000	191,500	185,200	6,300	3,900	38,600	34,100	4,500
Other engineers	220,700	185,800	177,900	7,900	4,500	30,400	26,000	4,300
Postsecondary teachers-engineers ..	7,200	5,200	2,700	2,400	S	2,000	1,100	900
Non-S&E occupations, total	5,004,600	4,080,900	3,576,600	504,300	124,300	799,400	367,700	431,700
Managers/administrators	1,276,300	1,095,200	1,049,700	45,500	19,400	161,700	122,800	38,900
Health/related	324,500	257,600	205,400	52,200	8,200	58,700	15,000	43,800
Teachers, except S&E postsecondary ..	411,700	319,300	249,000	70,300	6,100	86,400	39,200	47,300
Sales/marketing	823,900	689,200	609,200	80,100	20,100	114,600	55,200	59,400
Other non-S&E occupations	2,168,100	1,719,700	1,463,400	256,200	70,500	377,900	135,600	242,400

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

Table D-2. U.S. scientists and engineers, by highest degree attained, occupation, and employment status: 1995

Highest degree and occupation	S&Es, total	Employed			Unemploy- ed/seeking job	Not in labor force		
		Total	Full-time	Part-time		Total	Retired	Not seeking job
Master's								
All occupations, total ²	3,114,600	2,656,800	2,383,400	273,400	59,800	398,000	260,100	137,900
S&E occupations, total	1,021,400	891,600	799,000	92,600	22,500	107,400	69,800	37,500
Scientists, total	606,100	532,900	456,900	75,900	11,300	61,900	33,900	28,000
Computer/math sci, total	293,300	267,200	243,800	23,300	5,500	20,700	11,800	8,900
Computer/information scientists	237,900	219,000	209,800	9,300	4,500	14,300	7,600	6,700
Mathematical scientists	16,600	14,400	12,800	1,500	300	2,000	1,100	900
Postsecondary teachers- computer math sci	38,800	33,700	21,200	12,500	600	4,500	3,100	1,400
Life/related scientists, total	77,600	63,700	55,700	8,000	1,200	12,700	7,000	5,700
Agricultural/food scientists	11,100	9,300	8,500	800	300	1,600	1,100	400
Biological scientists	39,800	32,600	29,700	2,900	900	6,300	2,400	3,900
Environmental life scientists	7,400	5,800	5,300	500	S	1,600	1,000	600
Postsecondary teachers- life/related sciences	19,200	15,900	12,100	3,800	S	3,300	2,500	700
Physical/related scientists, total ...	81,300	67,200	59,500	7,600	2,500	11,700	7,800	3,800
Chemistry, except biochemistry	25,200	20,300	19,300	1,000	700	4,200	3,300	900
Earth scientists/ geologists/oceanographers	29,100	24,100	21,900	2,200	1,100	3,800	2,400	1,400
Physicists/astronomers	9,600	7,700	6,800	900	400	1,500	1,100	400
Other physical/related scientists	5,500	5,000	4,800	200	100	400	100	400
Postsecondary teachers- physical/related sci	11,800	10,000	6,700	3,300	200	1,700	900	700
Social/related scientists, total	153,900	134,900	97,900	37,000	2,200	16,800	7,300	9,500
Economists	17,500	14,900	13,300	1,600	500	2,100	1,000	1,100
Political/related scientists	3,300	2,800	2,000	800	S	400	300	200
Psychologists	99,100	88,200	64,700	23,500	1,100	9,800	3,700	6,100
Sociologists/anthropologists	5,500	5,100	3,500	1,600	200	200	S	200
Other social/related scientists	5,500	4,700	3,600	1,100	100	700	400	200
Postsecondary teachers- social/related sci	23,000	19,100	10,800	8,300	200	3,700	1,900	1,800
Engineers, total	415,300	358,700	342,100	16,700	11,200	45,400	35,900	9,500
Aerospace/related engineers	32,400	25,900	25,100	800	900	5,600	5,000	600
Chemical engineers	24,300	19,300	19,000	300	700	4,300	3,500	800
Civil/architectural engineers	58,200	50,800	48,600	2,200	1,600	5,800	5,100	700
Electrical/related engineers	115,900	102,000	98,000	4,000	2,800	11,200	8,200	3,000
Industrial engineers	19,100	16,300	15,700	500	700	2,100	1,300	800
Mechanical engineers	64,200	55,200	53,300	1,900	2,200	6,800	5,700	1,000
Other engineers	89,900	80,500	75,600	4,800	2,100	7,300	5,000	2,300
Postsecondary teachers-engineers ..	11,200	8,700	6,700	2,000	100	2,500	2,100	400
Non-S&E occupations, total	2,093,100	1,765,200	1,584,400	180,800	37,300	290,600	190,300	100,400
Managers/administrators	781,700	697,100	669,300	27,800	11,600	73,000	52,000	21,000
Health/related	100,300	84,000	66,000	18,000	1,300	15,000	7,200	7,800
Teachers, except S&E postsecondary	394,800	306,900	265,600	41,300	5,200	82,700	64,300	18,300
Sales/marketing	191,100	168,500	148,700	19,800	3,400	19,200	11,600	7,500
Other non-S&E occupations	625,200	508,600	434,700	73,900	15,800	100,800	55,100	45,700

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

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Highest degree and occupation	S&Es, total	Employed			Unemploy- ed/seeking job	Not in labor force		
		Total	Full-time	Part-time		Total	Retired	Not seeking job
Doctorate								
All occupations, total ²	778,400	689,900	639,500	50,400	14,000	74,500	57,800	16,700
S&E occupations, total	468,500	417,100	388,300	28,800	7,400	44,000	35,100	8,900
Scientists, total	389,900	347,500	321,900	25,600	5,200	37,200	29,000	8,200
Computer/math sci, total	59,000	53,700	49,700	4,000	800	4,500	3,400	1,100
Computer/information scientists	23,700	22,100	20,500	1,600	400	1,200	900	300
Mathematical scientists	8,600	7,500	7,300	300	100	1,000	700	300
Postsecondary teachers- computer math sci	26,800	24,100	22,000	2,100	300	2,300	1,800	500
Life/related scientists, total	116,300	102,300	98,600	3,700	2,000	12,000	9,500	2,500
Agricultural/food scientists	11,400	9,300	8,800	400	400	1,700	1,600	100
Biological scientists	65,800	57,800	56,100	1,700	1,500	6,400	4,500	1,900
Environmental life scientists	1,300	900	800	100	S	400	400	S
Postsecondary teachers- life/related sciences	37,900	34,400	32,900	1,500	100	3,400	3,000	500
Physical/related scientists, total	90,800	78,700	75,400	3,300	1,800	10,300	8,600	1,700
Chemistry, except biochemistry	30,300	25,800	24,600	1,200	800	3,700	3,100	600
Earth scientists/ geologists/oceanographers	12,300	10,400	10,000	400	300	1,700	1,400	200
Physicists/astronomers	16,000	14,100	13,500	500	400	1,600	1,200	400
Other physical/related scientists	3,300	2,600	2,500	100	200	600	400	200
Postsecondary teachers- physical/related sci	28,900	25,900	24,800	1,200	100	2,900	2,500	300
Social/related scientists, total	123,700	112,800	98,100	14,700	600	10,300	7,400	2,900
Economists	7,800	7,000	6,100	900	100	700	600	100
Political/related scientists	1,600	1,200	1,100	100	S	300	300	S
Psychologists	50,700	47,800	38,400	9,400	200	2,700	1,500	1,200
Sociologists/anthropologists	4,000	3,000	2,700	300	100	900	800	100
Other social/related scientists	3,900	3,100	2,800	200	S	800	300	600
Postsecondary teachers- social/related sci	55,800	50,700	47,000	3,700	200	4,900	4,000	800
Engineers, total	78,700	69,600	66,400	3,200	2,200	6,900	6,100	700
Aerospace/related engineers	4,800	4,200	4,100	100	100	500	400	100
Chemical engineers	7,200	5,800	5,700	200	600	800	800	100
Civil/architectural engineers	4,300	3,800	3,500	400	100	400	300	100
Electrical/related engineers	15,000	13,100	12,500	600	700	1,200	1,000	200
Industrial engineers	900	800	800	100	S	S	S	S
Mechanical engineers	8,800	8,000	7,700	300	100	700	700	S
Other engineers	18,600	16,400	15,100	1,200	400	1,700	1,600	200
Postsecondary teachers-engineers ..	19,100	17,400	17,100	400	100	1,500	1,400	200

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Highest degree and occupation	S&Es, total	Employed			Unemploy- ed/seeking job	Not in labor force		
		Total	Full-time	Part-time		Total	Retired	Not seeking job
Doctorate — continued								
Non-S&E occupations, total	309,800	272,800	251,200	21,600	6,600	30,400	22,600	7,800
Managers/administrators	131,700	119,400	116,100	3,400	1,300	11,000	10,100	900
Health/related	25,800	22,500	20,500	2,000	300	3,000	2,400	600
Teachers, except S&E postsecondary	77,000	67,400	59,300	8,100	2,400	7,100	5,400	1,700
Sales/marketing	9,300	8,200	6,700	1,500	200	900	400	500
Other non-S&E occupations	66,000	55,200	48,600	6,600	2,300	8,500	4,400	4,100

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)