

Table E-1. Employed U.S. scientists and engineers, by occupation and highest degree attained: 1997

Occupation	Employed S&Es, total	Level of highest degree			
		Bachelor's	Master's	Doctorate	Professional
All occupations, total¹	10,585,600	6,193,700	2,819,800	696,000	876,100
S&E occupations, total	3,369,400	1,916,800	967,900	454,700	30,000
Scientists, total	1,995,100	1,000,200	592,000	375,300	27,600
Computer/math sci, total	1,039,500	675,300	301,600	59,000	3,600
Computer/information scientists	933,200	649,900	254,200	25,700	3,500
Mathematical scientists	34,700	11,900	15,900	6,900	S
Postsecondary teachers-computer math sci	71,500	13,500	31,500	26,300	100
Life/related scientists, total	321,800	125,200	70,300	111,800	14,500
Agricultural/food scientists	43,000	22,200	10,900	9,800	100
Biological scientists	181,900	73,300	37,600	64,100	7,000
Environmental life scientists	20,200	14,600	4,200	1,200	100
Postsecondary teachers-life/related sciences	76,600	15,000	17,600	36,700	7,200
Physical/related scientists, total	284,900	131,700	69,100	83,700	300
Chemistry, except biochemistry	119,800	70,600	20,200	28,900	S
Earth scientists/geologists/oceanographers	68,600	34,900	23,100	10,500	200
Physicists/astronomers	31,500	7,400	9,000	15,100	S
Other physical/related scientists	16,700	8,100	7,100	1,400	200
Postsecondary teachers-physical/related sci	48,200	10,700	9,700	27,800	S
Social/related scientists, total	349,000	68,000	151,100	120,800	9,100
Economists	45,100	15,900	21,100	7,800	300
Political/related scientists	9,100	5,100	3,200	900	S
Psychologists	181,700	26,200	95,000	54,300	6,300
Sociologists/anthropologists	15,800	7,000	5,200	3,600	S
Other social/related scientists	11,900	4,500	3,700	2,700	900
Postsecondary teachers-social/related sci	85,300	9,300	22,900	51,600	1,500
Engineers, total	1,374,400	916,600	375,900	79,400	2,500
Aerospace/related engineers	72,500	40,900	27,300	4,300	100
Chemical engineers	76,300	49,300	19,900	7,100	S
Civil/architectural engineers	206,800	150,500	51,700	4,000	600
Electrical/related engineers	364,800	239,600	107,400	16,800	1,000
Industrial engineers	79,700	58,700	19,300	1,400	300
Mechanical engineers	271,100	200,300	61,600	9,000	300
Other engineers	269,200	171,800	79,500	17,700	200
Postsecondary teachers-engineers	33,900	5,400	9,300	19,200	S

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

Table E-1. Employed U.S. scientists and engineers, by occupation and highest degree attained: 1997

Occupation	Employed S&Es, total	Level of highest degree			
		Bachelor's	Master's	Doctorate	Professional
Non-S&E occupations, total	7,216,200	4,276,900	1,851,900	241,300	846,000
Managers/administrators	2,019,900	1,141,100	724,800	102,400	51,600
Health/related	802,400	280,400	92,500	21,800	407,700
Teachers, except S&E postsecondary	779,100	380,700	323,300	57,900	17,200
Social service/related	435,700	203,100	211,800	12,200	8,600
Technology/technical	357,700	291,200	58,700	6,900	900
Sales/marketing	920,300	718,800	183,100	8,300	10,100
Art, humanities and related	160,300	104,000	47,800	5,000	3,500
Other non-S&E occupations	1,740,700	1,157,500	209,900	26,900	346,400

¹ Total excludes 18,700 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 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)