

Table A-4. U.S. scientists and engineers, by broad field of highest degree attained, selected occupations, and degree level: 1997

Field of highest degree and selected occupations	Level of highest degree			
	All degree levels, total ¹	Bachelor's	Master's	Doctorate
All degree fields	10,585,600	6,193,700	2,819,800	696,000
S&E occupations, total	3,369,400	1,916,800	967,900	454,700
Non-S&E occupations, total	7,216,200	4,276,900	1,851,900	241,300
Managers/administrators	2,019,900	1,141,100	724,800	102,400
Health related occupations	802,400	280,400	92,500	21,800
Teachers, precollegiate	661,400	361,200	283,700	9,500
Teachers, postsecondary non-S&E ²	117,700	19,400	39,600	48,500
Social services related occupations	435,700	203,100	211,800	12,200
Technicians/technologists	357,700	291,200	58,700	6,900
Sales/marketing occupations	920,300	718,800	183,100	8,300
Arts, humanities/related occupations	160,300	104,000	47,800	5,000
Other non-S&E occupations	1,740,700	1,157,500	209,900	26,900
Computer/math science degree fields	1,003,300	721,600	244,700	36,900
S&E occupations, total	494,800	322,600	141,600	30,500
Non-S&E occupations, total	508,500	398,900	103,000	6,400
Managers/administrators	151,800	107,600	40,600	3,700
Health related occupations	6,500	5,900	500	100
Teachers, precollegiate	75,800	53,600	22,000	200
Teachers, postsecondary non-S&E ²	1,900	800	600	500
Social services related occupations	4,300	4,000	200	S
Technicians/technologists	110,200	88,300	20,700	1,100
Sales/marketing occupations	52,000	44,000	7,700	100
Arts, humanities/related occupations	5,200	3,700	1,400	100
Other non-S&E occupations	100,900	91,000	9,300	700
Life/related science degree fields	1,204,700	884,500	156,600	162,500
S&E occupations, total	326,200	156,200	61,300	108,400
Non-S&E occupations, total	878,500	728,300	95,200	54,100
Managers/administrators	176,200	134,400	22,400	19,400
Health related occupations	160,800	126,000	17,200	17,300
Teachers, precollegiate	96,300	73,600	21,100	1,600
Teachers, postsecondary non-S&E ²	12,500	3,000	1,600	7,900
Social services related occupations	9,300	7,100	1,700	500
Technicians/technologists	58,800	50,300	7,200	1,300
Sales/marketing occupations	126,600	116,800	7,600	1,700
Arts, humanities/related occupations	17,000	12,600	3,300	1,100
Other non-S&E occupations	221,100	204,400	13,300	3,400
Physical/related science degree fields	619,200	381,900	114,500	122,200
S&E occupations, total	334,000	167,100	70,300	96,400
Non-S&E occupations, total	285,100	214,700	44,300	25,800
Managers/administrators	99,400	63,000	19,600	16,800
Health related occupations	16,700	13,900	1,600	1,200
Teachers, precollegiate	28,100	18,100	8,800	1,200
Teachers, postsecondary non-S&E ²	1,400	400	600	500
Social services related occupations	3,400	3,100	100	200
Technicians/technologists	25,800	21,400	2,600	1,800
Sales/marketing occupations	43,400	36,700	4,900	1,700
Arts, humanities/related occupations	6,100	5,100	500	500
Other non-S&E occupations	60,800	53,100	5,500	1,800

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

Table A-4. U.S. scientists and engineers, by broad field of highest degree attained, selected occupations, and degree level: 1997

Field of highest degree and selected occupations	Level of highest degree			
	All degree levels, total ¹	Bachelor's	Master's	Doctorate
Social/related science degree fields	2,967,600	2,315,500	485,300	160,500
S&E occupations, total	421,300	172,300	127,700	117,000
Non-S&E occupations, total	2,546,300	2,143,200	357,500	43,500
Managers/administrators	660,400	518,400	118,600	22,400
Health related occupations	102,700	82,100	18,400	1,900
Teachers, precollegiate	243,000	194,800	47,500	700
Teachers, postsecondary non-S&E ²	29,100	10,500	9,700	9,000
Social services related occupations	251,400	183,500	65,600	1,800
Technicians/technologists	57,000	52,100	4,200	700
Sales/marketing occupations	443,300	410,600	30,800	1,900
Arts, humanities/related occupations	77,100	60,700	14,800	1,600
Other non-S&E occupations	682,300	630,500	48,100	3,400
Engineering degree field	1,909,200	1,380,300	430,600	98,200
S&E occupations, total	1,264,400	870,600	315,400	78,300
Non-S&E occupations, total	644,800	509,700	115,300	19,900
Managers/administrators	317,100	232,300	70,300	14,500
Health related occupations	8,000	6,600	800	700
Teachers, precollegiate	11,100	8,500	2,200	400
Teachers, postsecondary non-S&E ²	3,800	2,500	500	800
Social services related occupations	2,500	2,000	400	100
Technicians/technologists	58,000	47,200	9,800	1,100
Sales/marketing occupations	92,300	77,000	14,200	1,000
Arts, humanities/related occupations	9,400	8,400	800	100
Other non-S&E occupations	142,500	125,000	16,300	1,100
Non-S&E degree fields, total	2,881,700	510,000	1,388,200	115,800
S&E occupations, total	528,700	227,900	251,600	24,100
Non-S&E occupations, total	2,353,000	282,100	1,136,600	91,700
Managers/administrators	614,900	85,400	453,400	25,600
Health related occupations	507,600	46,100	54,000	500
Teachers, precollegiate	207,100	12,600	182,300	5,300
Teachers, postsecondary non-S&E ²	69,100	2,300	26,700	29,800
Social services related occupations	164,900	3,500	143,700	9,600
Technicians/technologists	47,900	31,800	14,200	900
Sales/marketing occupations	162,700	33,600	117,900	1,800
Arts, humanities/related occupations	45,500	13,500	27,000	1,600
Other non-S&E occupations	533,200	53,400	117,500	16,500

¹ Includes professional degrees

² S&E Postsecondary teachers are included in the respective S&E fields.

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)