

Table A-4. U.S. scientists and engineers, by broad field of highest degree attained, selected occupations, and degree level: 1999

Field of highest degree and selected occupations	Level of highest degree			
	All degree levels, total ¹	Bachelor's	Master's	Doctorate
All degree fields	10,981,600	6,350,100	2,982,000	736,700
S&E occupations, total	3,540,800	1,994,400	1,032,100	484,100
Non-S&E occupations, total	7,440,800	4,355,700	1,949,900	252,600
Managers/administrators	2,035,600	1,156,800	726,600	98,400
Health related occupations	848,100	304,300	100,400	25,000
Teachers, precollegiate	683,700	361,200	304,300	11,500
Teachers, postsecondary non-S&E ²	124,000	18,500	41,400	53,000
Social services related occupations	475,800	215,300	239,800	12,000
Technicians/technologists	387,100	309,600	65,900	9,800
Sales/marketing occupations	943,800	723,700	196,000	11,800
Arts, humanities/related occupations	164,900	107,400	48,800	6,000
Other non-S&E occupations	1,777,800	1,158,700	226,600	25,000
Computer/math science degree fields	1,045,800	742,700	262,600	40,600
S&E occupations, total	537,200	345,200	158,700	33,300
Non-S&E occupations, total	508,600	397,500	103,800	7,300
Managers/administrators	152,100	106,500	41,300	4,200
Health related occupations	4,500	3,600	700	100
Teachers, precollegiate	71,800	52,500	19,100	200
Teachers, postsecondary non-S&E ²	2,000	400	900	800
Social services related occupations	4,200	3,600	500	S
Technicians/technologists	116,300	92,900	22,300	1,100
Sales/marketing occupations	53,900	47,100	6,600	100
Arts, humanities/related occupations	5,200	3,700	1,400	100
Other non-S&E occupations	98,700	87,100	11,000	600
Life/related science degree fields	1,287,700	947,000	164,100	176,200
S&E occupations, total	361,700	176,500	66,700	118,100
Non-S&E occupations, total	926,000	770,500	97,500	58,100
Managers/administrators	183,700	143,200	22,000	18,500
Health related occupations	186,000	146,700	19,700	19,600
Teachers, precollegiate	97,300	73,500	22,500	1,300
Teachers, postsecondary non-S&E ²	14,100	4,100	600	9,400
Social services related occupations	7,800	6,300	1,000	500
Technicians/technologists	70,900	61,100	8,000	1,700
Sales/marketing occupations	123,000	111,700	8,800	2,400
Arts, humanities/related occupations	17,100	12,400	3,200	1,400
Other non-S&E occupations	226,300	211,500	11,600	3,200
Physical/related science degree fields	621,700	380,900	113,900	125,900
S&E occupations, total	343,000	170,400	72,700	99,400
Non-S&E occupations, total	278,700	210,500	41,200	26,400
Managers/administrators	91,600	60,400	14,900	15,700
Health related occupations	19,200	15,300	2,500	1,400
Teachers, precollegiate	28,800	19,000	8,500	1,300
Teachers, postsecondary non-S&E ²	2,000	1,000	400	700
Social services related occupations	4,000	3,600	300	100
Technicians/technologists	31,400	25,200	3,400	2,900
Sales/marketing occupations	39,000	34,000	3,200	1,700
Arts, humanities/related occupations	8,100	5,600	1,800	700
Other non-S&E occupations	54,400	46,400	6,000	1,900

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

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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	3,088,400	2,415,500	499,800	166,400
S&E occupations, total	458,000	198,600	134,100	122,200
Non-S&E occupations, total	2,630,400	2,216,900	365,700	44,200
Managers/administrators	685,100	548,000	114,500	20,900
Health related occupations	104,500	87,300	14,500	2,500
Teachers, precollegiate	242,500	191,600	49,300	1,000
Teachers, postsecondary non-S&E ²	27,600	9,600	8,300	9,700
Social services related occupations	272,100	195,400	73,500	2,000
Technicians/technologists	55,600	49,500	5,500	500
Sales/marketing occupations	452,300	418,700	31,700	1,900
Arts, humanities/related occupations	83,500	66,600	14,800	2,100
Other non-S&E occupations	707,300	650,200	53,600	3,500
Engineering degree field	1,936,400	1,380,000	450,800	105,600
S&E occupations, total	1,303,300	882,700	334,200	86,400
Non-S&E occupations, total	633,100	497,300	116,600	19,200
Managers/administrators	303,500	221,500	69,400	12,600
Health related occupations	8,100	6,500	900	700
Teachers, precollegiate	12,000	9,000	2,600	400
Teachers, postsecondary non-S&E ²	4,200	2,500	900	900
Social services related occupations	3,400	2,800	500	100
Technicians/technologists	63,400	51,500	9,800	2,100
Sales/marketing occupations	96,200	79,200	15,800	1,200
Arts, humanities/related occupations	8,600	7,600	900	100
Other non-S&E occupations	133,600	116,800	15,700	1,100
Non-S&E degree fields, total	3,001,500	484,000	1,490,800	122,100
S&E occupations, total	537,600	221,100	265,700	24,700
Non-S&E occupations, total	2,463,900	262,900	1,225,100	97,400
Managers/administrators	619,600	77,100	464,500	26,500
Health related occupations	526,000	45,000	62,100	700
Teachers, precollegiate	231,300	15,700	202,200	7,200
Teachers, postsecondary non-S&E ²	74,000	1,000	30,300	31,600
Social services related occupations	184,300	3,700	163,800	9,200
Technicians/technologists	49,500	29,400	16,900	1,500
Sales/marketing occupations	179,500	32,900	129,900	4,400
Arts, humanities/related occupations	42,400	11,500	26,700	1,600
Other non-S&E occupations	557,400	46,600	128,600	14,700

¹ Total includes professional degrees not broken out separately.

² S&E Postsecondary teachers are included in S&E occupations.

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, 1997, or 1999 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 Statistics Division, 1999 SESTAT (Scientists and Engineers Statistical Data System)