

## Employed individuals in S&amp;E occupations, by highest degree, occupation, and employment sector: 1999

Degree and occupation	Employed individuals	Business/industry				Education			Government		
		Total	Profit	Self-employed	Nonprofit	Total	4-year college/university	Other	Total	Federal	State/local
All degree levels <sup>a</sup>											
All S&E occupations.....	3,540,800	2,482,400	2,263,300	105,200	114,000	608,500	496,400	112,100	449,900	241,100	208,800
Scientists .....	2,170,500	1,373,600	1,197,400	80,200	96,000	541,800	434,200	107,600	255,100	137,300	117,800
Mathematical/computer scientists.....	1,167,400	943,800	886,800	21,500	35,600	132,200	95,000	37,300	91,300	52,600	38,600
Computer/information scientists.....	1,058,100	925,900	871,900	21,200	32,900	52,100	40,000	12,100	80,100	44,300	35,800
Mathematical scientists .....	36,200	17,300	14,300	300	2,700	7,800	7,500	400	11,100	8,400	2,700
Postsecondary teachers .....	73,000	600	600	S	S	72,300	47,500	24,800	S	S	S
Life/related scientists .....	341,900	113,400	92,600	8,000	12,800	163,300	148,900	14,400	65,300	36,700	28,500
Agricultural/food scientists.....	39,700	26,000	22,800	2,600	600	6,100	5,300	700	7,700	4,800	2,900
Biological scientists.....	206,500	80,900	66,000	3,700	11,200	81,200	79,100	2,100	44,400	24,600	19,900
Environmental life scientists.....	19,800	5,500	3,400	1,600	400	1,200	700	S	13,100	7,400	5,700
Postsecondary teachers .....	75,800	1,100	S	S	S	74,800	63,800	11,000	S	S	S
Physical/related scientists.....	297,900	161,200	148,800	6,300	6,100	82,400	73,200	9,100	54,300	31,300	23,000
Chemists, except biochemists .....	121,700	94,400	90,900	1,100	2,500	11,400	11,400	S	15,900	6,000	9,900
Earth scientists, geologists, and oceanographers....	72,800	43,100	38,700	3,500	900	9,100	8,300	700	20,700	14,100	6,600
Physicists/astronomers .....	30,400	13,600	11,100	200	2,400	10,000	9,900	100	6,800	5,900	900
Other .....	22,200	9,900	8,200	1,500	300	1,600	1,600	S	10,700	5,000	5,700
Postsecondary teachers .....	50,700	S	S	S	S	50,300	42,000	8,300	200	S	S
Social/related scientists .....	363,400	155,200	69,200	44,500	41,600	163,900	117,100	46,800	44,300	16,600	27,700
Economists .....	35,400	21,800	17,400	2,100	2,300	2,200	2,200	S	11,400	6,600	4,800
Political/related scientists.....	11,600	4,500	900	900	2,600	2,600	2,600	S	4,600	2,500	2,000
Psychologists .....	197,000	116,000	45,100	39,800	31,100	59,400	23,000	36,400	21,600	4,400	17,200
Sociologists/anthropologists.....	17,600	5,500	2,800	300	2,400	7,300	6,900	300	4,800	1,900	2,900
Other .....	13,600	7,100	2,900	1,100	3,100	4,600	4,000	700	1,900	1,200	700
Postsecondary teachers .....	88,100	300	S	S	S	87,900	78,400	9,500	S	S	S
Engineers .....	1,370,300	1,108,800	1,065,900	25,000	18,000	66,700	62,100	4,500	194,800	103,800	90,900
Aerospace/related .....	67,400	50,800	49,900	300	600	2,500	2,500	S	14,100	14,000	S
Chemical.....	79,900	74,900	72,800	1,300	800	2,000	1,900	S	3,000	2,600	S
Civil/architectural .....	223,700	142,400	132,700	7,600	2,000	3,600	3,400	S	77,700	17,200	60,500
Electrical/related .....	362,300	310,300	300,600	4,300	5,400	10,700	9,700	1,000	41,300	33,300	8,000
Industrial.....	81,200	75,900	73,200	1,100	1,500	1,500	1,500	S	3,800	3,100	700
Mechanical .....	265,800	245,200	237,100	5,400	2,700	5,300	5,200	S	15,300	12,100	3,200
Other.....	258,700	209,400	199,600	4,900	4,900	9,700	9,600	200	39,600	21,500	18,100
Postsecondary teachers .....	31,400	S	S	S	S	31,400	28,300	3,100	S	S	S

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Degree and occupation	Employed individuals	Business/industry				Educational			Government		
		Total	Profit	Self-employed	Nonprofit	Total	4-year college/university	Other	Total	Federal	State/local
<b>Bachelor's</b>											
All S&E occupations.....	1,994,400	1,555,000	1,465,300	37,200	52,500	171,800	142,500	29,300	267,600	130,200	137,500
Scientists .....	1,087,100	802,300	738,000	22,000	42,300	150,400	123,500	26,900	134,300	66,100	68,200
Mathematical/computer scientists.....	740,500	630,000	592,300	13,300	24,400	51,000	36,100	14,900	59,500	31,900	27,600
Computer/information scientists.....	715,400	624,800	587,900	13,100	23,800	35,600	26,100	9,500	55,000	28,600	26,400
Mathematical scientists .....	12,400	4,900	4,200	S	S	3,000	2,800	S	4,500	3,300	1,200
Postsecondary teachers .....	12,700	S	S	S	S	12,500	7,300	5,200	S	S	S
Life/related scientists .....	135,500	55,600	47,500	3,800	4,300	47,300	43,000	4,300	32,500	15,900	16,700
Agricultural/food scientists.....	20,100	15,500	13,900	S	S	1,200	1,200	S	3,400	2,500	900
Biological scientists.....	87,900	36,600	31,300	1,700	3,700	32,700	31,500	1,200	18,600	7,300	11,300
Environmental life scientists.....	14,600	3,300	2,000	S	S	S	S	S	10,500	6,100	4,400
Postsecondary teachers .....	12,800	S	S	S	S	12,500	10,000	2,500	S	S	S
Physical/related scientists.....	139,600	87,200	82,400	2,800	2,000	22,300	21,200	1,100	30,200	14,000	16,200
Chemists, except biochemists .....	70,500	55,000	53,300	S	1,500	5,300	5,300	S	10,100	2,700	7,500
Earth scientists, geologists, and oceanographers....	38,000	24,000	21,800	2,000	S	2,800	2,800	S	11,100	7,300	3,800
Physicists/astronomers .....	7,200	2,400	2,200	S	S	3,400	3,400	S	1,500	1,100	S
Other .....	13,100	5,700	5,100	S	S	S	S	S	7,300	2,800	4,500
Postsecondary teachers .....	10,900	S	S	S	S	10,700	9,700	S	S	S	S
Social/related scientists .....	71,400	29,600	15,800	2,200	11,600	29,800	23,100	6,700	12,100	4,300	7,800
Economists .....	11,800	6,200	5,400	S	S	700	700	S	4,900	1,600	3,300
Political/related scientists.....	5,800	2,000	S	S	1,000	1,000	1,000	S	2,800	1,400	1,300
Psychologists .....	32,100	16,500	7,900	S	7,800	13,000	7,800	5,200	2,700	S	2,300
Sociologists/anthropologists.....	6,900	2,400	S	S	S	3,100	3,000	S	S	S	S
Other social/related scientists .....	4,500	2,500	S	S	1,600	1,700	1,400	S	S	S	S
Postsecondary teachers .....	10,400	S	S	S	S	10,400	9,200	S	S	S	S
Engineers .....	907,400	752,700	727,200	15,200	10,300	21,400	19,000	2,400	133,300	64,100	69,300
Aerospace/related .....	36,300	29,000	28,700	S	S	600	600	S	6,800	6,800	S
Chemical.....	51,100	47,800	46,800	S	S	1,200	1,200	S	2,100	1,700	S
Civil/architectural .....	160,800	98,100	92,800	4,000	1,400	1,900	1,800	S	60,800	11,700	49,100
Electrical/related .....	233,500	202,100	196,300	2,700	3,100	4,400	3,600	800	27,100	20,400	6,700
Industrial.....	62,700	58,600	56,800	S	700	1,200	1,200	S	2,900	2,400	S
Mechanical .....	194,300	181,000	175,600	3,800	1,600	2,300	2,300	S	11,000	8,700	2,300
Other.....	163,000	136,000	130,200	2,700	3,100	4,300	4,200	S	22,700	12,500	10,200
Postsecondary teachers .....	5,600	S	S	S	S	5,500	4,200	1,300	S	S	S

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		Total	Profit	Self-employed	Nonprofit	Total	4-year college/university	Other	Total	Federal	State/local
<b>Master's</b>											
All S&E occupations.....	1,032,100	719,400	639,100	41,200	39,100	178,400	111,800	66,600	134,300	75,500	58,800
Scientists .....	655,500	415,600	348,300	33,300	34,000	159,200	94,100	65,100	80,800	42,500	38,300
Mathematical/computer scientists.....	354,100	276,400	260,300	7,000	9,000	50,200	29,900	20,300	27,600	17,800	9,800
Computer/information scientists.....	304,800	268,400	253,500	7,000	7,900	13,600	11,200	2,400	22,800	14,100	8,800
Mathematical scientists .....	16,000	8,000	6,800	S	1,200	3,300	3,300	S	4,700	3,700	1,000
Postsecondary teachers .....	33,300	S	S	S	S	33,300	15,500	17,800	S	S	S
Life/related scientists .....	72,500	25,000	19,100	2,100	3,900	27,800	20,900	6,900	19,700	9,800	9,900
Agricultural/food scientists.....	10,400	5,600	4,400	1,200	S	2,200	1,500	S	2,600	700	1,900
Biological scientists.....	42,700	17,000	13,300	S	3,200	10,900	10,700	S	14,800	8,100	6,800
Environmental life scientists.....	4,000	1,700	1,200	S	S	S	S	S	2,200	1,000	1,200
Postsecondary teachers .....	15,500	S	S	S	S	14,800	8,700	6,100	S	S	S
Physical/related scientists .....	73,000	40,100	36,200	2,300	1,600	19,400	14,200	5,200	13,500	8,200	5,300
Chemists, except biochemists .....	23,000	16,800	16,100	S	S	3,100	3,100	S	3,100	1,400	1,800
Earth scientists, geologists, and oceanographers....	24,300	15,400	14,100	1,200	S	2,900	2,700	S	5,900	3,700	2,200
Physicists/astronomers .....	8,500	4,700	3,700	S	1,000	2,300	2,300	S	1,500	1,300	S
Other .....	7,300	3,200	2,200	800	S	1,200	1,200	S	2,900	1,800	1,200
Postsecondary teachers .....	9,800	S	S	S	S	9,800	4,900	4,900	S	S	S
Social/related scientists .....	155,900	74,100	32,700	21,900	19,400	61,800	29,100	32,700	20,000	6,700	13,300
Economists .....	15,200	10,300	7,800	1,100	1,400	300	300	S	4,600	3,300	1,300
Political/related scientists.....	4,200	2,000	S	S	1,400	900	900	S	1,300	600	S
Psychologists .....	102,400	57,300	22,400	19,900	15,000	34,600	7,700	26,900	10,600	1,400	9,200
Sociologists/anthropologists.....	6,900	1,800	900	S	1,000	2,500	2,400	S	2,600	S	1,700
Other .....	5,700	2,700	1,300	S	700	2,000	1,800	S	1,100	S	S
Postsecondary teachers .....	21,500	S	S	S	S	21,500	16,000	5,500	S	S	S
Engineers .....	376,500	303,800	290,800	7,900	5,100	19,200	17,700	1,500	53,500	33,000	20,500
Aerospace/related .....	26,300	18,600	18,400	S	200	1,500	1,500	S	6,200	6,200	S
Chemical.....	20,700	19,800	19,200	S	300	300	300	S	500	500	S
Civil/architectural .....	57,200	40,300	36,700	3,300	S	1,100	1,100	S	15,800	5,000	10,800
Electrical/related .....	109,400	92,500	89,700	1,100	1,700	5,000	4,900	S	11,900	10,600	1,300
Industrial.....	17,400	16,300	15,600	S	800	300	300	S	800	600	S
Mechanical .....	62,000	56,600	54,600	1,300	700	1,800	1,800	S	3,600	2,800	800
Other.....	76,900	59,600	56,600	1,800	1,200	2,600	2,600	S	14,700	7,200	7,500
Postsecondary teachers .....	6,600	S	S	S	S	6,600	5,200	1,400	S	S	S

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Degree and occupation	Employed individuals	Business/industry				Educational			Government		
		Total	Profit	Self-employed	Nonprofit	Total	4-year college/university	Other	Total	Federal	State/local
<b>Doctoral</b>											
All S&E occupations.....	484,100	195,000	150,000	24,700	20,300	244,300	229,900	14,400	44,800	32,900	11,900
Scientists .....	399,900	144,000	103,200	23,000	17,700	218,300	204,400	13,800	37,700	26,900	10,800
Mathematical/computer scientists.....	67,100	32,600	29,400	1,100	2,000	30,700	28,700	2,000	3,800	2,700	1,100
Computer/information scientists.....	32,400	27,800	25,800	900	1,100	2,800	2,700	S	1,800	1,300	500
Mathematical scientists .....	7,900	4,400	3,200	200	900	1,600	1,400	100	1,900	1,400	500
Postsecondary teachers .....	26,800	300	300	S	S	26,300	24,500	1,800	S	S	S
Life/related scientists .....	121,100	30,400	24,200	1,900	4,300	78,500	75,600	2,900	12,200	10,200	2,000
Agricultural/food scientists.....	9,200	4,900	4,400	400	100	2,700	2,600	S	1,700	1,600	100
Biological scientists.....	70,000	25,000	19,600	1,400	4,000	34,800	34,200	600	10,100	8,300	1,800
Environmental life scientists.....	1,200	400	200	S	200	400	400	S	400	300	S
Postsecondary teachers .....	40,800	S	S	S	S	40,700	38,300	2,300	S	S	S
Physical/related scientists .....	84,900	33,800	30,200	1,100	2,500	40,600	37,800	2,800	10,400	8,800	1,600
Chemists, except biochemists .....	28,100	22,500	21,400	500	600	3,000	2,900	S	2,600	1,900	700
Earth scientists, geologists, and oceanographers....	10,400	3,600	2,800	300	500	3,300	2,900	400	3,400	2,800	600
Physicists/astronomers .....	14,700	6,600	5,200	200	1,200	4,300	4,200	S	3,800	3,600	300
Other .....	1,800	1,000	800	100	S	300	300	S	500	500	S
Postsecondary teachers .....	29,800	S	S	S	S	29,700	27,400	2,300	S	S	S
Social/related scientists .....	126,900	47,100	19,300	18,800	8,900	68,500	62,300	6,100	11,300	5,200	6,100
Economists .....	8,100	5,000	3,900	400	700	1,200	1,200	S	1,900	1,700	300
Political/related scientists.....	1,400	500	200	S	200	600	600	S	300	300	S
Psychologists .....	58,000	39,200	14,400	17,500	7,300	11,100	7,500	3,500	7,700	2,500	5,200
Sociologists/anthropologists.....	3,700	1,300	600	300	400	1,600	1,500	100	900	500	400
Other .....	2,400	1,000	300	300	300	1,000	700	S	500	300	200
Postsecondary teachers .....	53,300	300	S	S	S	53,000	50,700	2,200	S	S	S
Engineers .....	84,200	51,000	46,700	1,700	2,500	26,100	25,500	600	7,100	5,900	1,200
Aerospace/related .....	4,600	3,200	2,900	S	300	400	400	S	900	900	S
Chemical.....	8,100	7,200	6,700	200	300	500	500	S	400	400	S
Civil and architectural.....	5,100	3,400	2,700	400	400	600	600	S	1,100	500	700
Electrical/related .....	18,400	15,300	14,100	500	700	1,300	1,200	S	1,800	1,800	S
Industrial.....	1,000	900	800	S	S	S	S	S	100	100	S
Mechanical .....	9,100	7,300	6,800	100	300	1,200	1,200	S	600	500	S
Other.....	18,800	13,800	12,700	400	600	2,800	2,700	S	2,200	1,800	400
Postsecondary teachers .....	19,200	S	S	S	S	19,200	18,800	400	S	S	S

S suppressed for reasons of confidentiality and/or data reliability

\*Includes professional degrees.

SOURCE: National Science Foundation, Division of Science Resources Statistics, Scientists and Engineers Statistical Data System (SESTAT), 1999.