

Individuals with current or past S&E occupations, by highest degree, occupation, and employment status: 1999

Degree and occupation	All S&E occupations	Employed			Unemployed, seeking job	Not in labor force		
		Total	Full time	Part time		Total	Retired	Not seeking job
All degree levels ^a								
All S&E occupations.....	4,120,700	3,540,800	3,267,400	273,400	56,000	523,900	364,400	159,400
Scientists.....	2,464,500	2,170,500	1,949,400	221,100	30,200	263,800	146,100	117,700
Mathematical/computer scientists.....	1,277,900	1,167,400	1,092,400	74,900	14,700	95,800	52,700	43,100
Computer/information scientists.....	1,147,400	1,058,100	1,011,400	46,700	13,400	75,800	41,000	34,900
Mathematical scientists.....	45,100	36,200	31,200	5,000	900	8,000	4,700	3,300
Postsecondary teachers.....	85,400	73,000	49,800	23,200	400	12,000	7,100	4,900
Life/related scientists.....	406,100	341,900	311,800	30,100	4,400	59,800	28,800	31,000
Agricultural/food scientists.....	47,500	39,700	37,000	2,700	400	7,400	4,400	2,900
Biological scientists.....	244,800	206,500	192,700	13,800	2,200	36,100	12,800	23,300
Environmental life scientists.....	22,800	19,800	18,300	1,600	S	2,200	2,200	S
Postsecondary teachers.....	90,900	75,800	63,800	12,100	1,000	14,100	9,400	4,700
Physical/related scientists.....	360,600	297,900	272,000	25,900	5,800	57,000	39,300	17,700
Chemists, except biochemists.....	155,200	121,700	116,000	5,700	3,700	29,800	20,700	9,200
Earth scientists, geologists, oceanographers.....	83,900	72,800	66,900	5,900	1,400	9,600	7,000	2,700
Physicists/astronomers.....	37,900	30,400	27,900	2,500	S	7,000	5,800	1,200
Other.....	24,000	22,200	20,900	1,300	S	1,800	700	1,100
Postsecondary teachers.....	59,600	50,700	40,200	10,400	200	8,700	5,200	3,500
Social/related scientists.....	419,900	363,400	273,200	90,200	5,300	51,300	25,200	26,000
Economists.....	42,200	35,400	31,500	3,900	400	6,400	3,500	2,900
Political/related scientists.....	13,500	11,600	9,800	1,800	S	1,700	400	1,300
Psychologists.....	223,700	197,000	141,600	55,400	2,700	24,000	10,200	13,800
Sociologists/anthropologists.....	21,200	17,600	14,200	3,400	700	2,900	900	2,000
Other.....	15,800	13,600	11,500	2,100	600	1,600	800	700
Postsecondary teachers.....	103,500	88,100	64,600	23,600	600	14,700	9,400	5,300
Engineers.....	1,656,200	1,370,300	1,318,000	52,300	25,800	260,000	218,300	41,700
Aerospace/related.....	93,700	67,400	65,200	2,200	1,800	24,400	22,000	2,400
Chemical.....	101,100	79,900	77,100	2,700	1,900	19,300	16,400	3,000
Civil/architectural.....	265,900	223,700	214,400	9,300	2,600	39,600	33,300	6,300
Electrical/related.....	432,800	362,300	350,600	11,700	5,000	65,500	56,000	9,500
Industrial.....	98,100	81,200	77,200	3,900	1,600	15,400	11,800	3,600
Mechanical.....	317,400	265,800	257,900	7,900	5,500	46,100	40,300	5,800
Other.....	309,400	258,700	249,800	8,900	7,200	43,500	33,300	10,300
Postsecondary teachers.....	37,900	31,400	25,800	5,600	200	6,200	5,300	900

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Bachelor's								
All S&E occupations.....	2,350,500	1,994,400	1,870,600	123,800	32,700	323,300	223,200	100,100
Scientists.....	1,228,500	1,087,100	997,300	89,800	16,200	125,200	54,000	71,200
Mathematical/computer scientists.....	804,900	740,500	700,600	39,900	9,500	54,900	25,200	29,700
Computer/information scientists.....	773,400	715,400	686,700	28,800	9,200	48,800	22,500	26,300
Mathematical scientists.....	16,400	12,400	9,900	2,500	S	3,700	2,300	S
Postsecondary teachers.....	15,100	12,700	4,000	8,700	S	2,400	S	2,000
Life/related scientists.....	166,500	135,500	120,400	15,100	1,700	29,200	8,400	20,900
Agricultural/food scientists.....	24,900	20,100	19,000	1,100	S	4,600	2,600	2,000
Biological scientists.....	107,700	87,900	80,900	7,000	S	19,200	3,300	15,900
Environmental life scientists.....	17,100	14,600	13,600	S	S	1,700	1,700	S
Postsecondary teachers.....	16,800	12,800	6,800	6,000	S	3,700	S	2,900
Physical/related scientists.....	172,700	139,600	127,400	12,200	2,900	30,200	18,700	11,500
Chemists, except biochemists.....	90,400	70,500	68,100	2,400	1,900	18,000	11,300	6,800
Earth scientists, geologists, oceanographers.....	43,200	38,000	34,700	3,300	S	4,400	3,200	1,300
Physicists/astronomers.....	10,800	7,200	6,100	1,100	S	3,400	2,900	500
Other.....	14,100	13,100	13,000	S	S	1,000	S	S
Postsecondary teachers.....	14,200	10,900	5,500	5,400	S	3,300	S	2,300
Social/related scientists.....	84,400	71,400	48,900	22,500	2,000	11,000	1,700	9,200
Economists.....	14,500	11,800	10,300	1,500	S	2,500	S	1,000
Political/related scientists.....	6,500	5,800	4,800	1,000	S	S	S	S
Psychologists.....	38,100	32,100	23,300	8,800	1,200	4,700	S	4,700
Sociologists/anthropologists.....	9,100	6,900	5,800	1,100	S	1,600	S	S
Other.....	4,600	4,500	3,500	1,000	S	S	S	S
Postsecondary teachers.....	11,600	10,400	S	9,200	S	1,200	S	1,200
Engineers.....	1,122,000	907,400	873,300	34,000	16,600	198,000	169,200	28,800
Aerospace/related.....	55,300	36,300	34,900	1,400	1,400	17,600	15,900	1,700
Chemical.....	66,200	51,100	49,300	1,800	800	14,400	12,000	2,400
Civil/architectural.....	195,600	160,800	154,600	6,200	1,500	33,200	28,200	5,000
Electrical/ related.....	288,800	233,500	225,500	8,100	3,100	52,200	45,800	6,400
Industrial.....	76,400	62,700	59,600	3,100	1,400	12,300	9,900	2,400
Mechanical.....	234,400	194,300	188,900	5,300	3,600	36,600	32,700	3,900
Other.....	198,800	163,000	157,400	5,600	4,800	31,000	23,900	7,000
Postsecondary teachers.....	6,400	5,600	3,100	2,500	S	800	S	100

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Master's								
All S&E occupations.....	1,188,100	1,032,100	921,500	110,600	17,300	138,800	90,800	48,000
Scientists	752,300	655,500	559,900	95,700	9,700	87,000	51,000	36,000
Mathematical/computer scientists.....	393,700	354,100	323,200	30,900	4,700	34,900	22,900	12,000
Computer/information scientists.....	333,700	304,800	288,000	16,800	4,000	24,800	17,000	7,800
Mathematical scientists	19,900	16,000	14,000	2,000	S	3,400	1,700	1,700
Postsecondary teachers	40,200	33,300	21,300	12,000	S	6,700	4,200	2,500
Life/related scientists.....	86,700	72,500	64,500	8,100	1,300	12,900	6,600	6,200
Agricultural/food scientists.....	11,900	10,400	9,400	1,000	S	1,400	S	800
Biological scientists.....	50,800	42,700	39,700	3,100	500	7,600	3,400	4,200
Environmental life scientists.....	4,300	4,000	3,500	S	S	S	S	S
Postsecondary teachers	19,700	15,500	11,900	3,600	600	3,700	2,400	1,200
Physical/related scientists.....	88,500	73,000	63,800	9,100	1,400	14,100	9,600	4,500
Chemists, except biochemists.....	30,500	23,000	21,100	2,000	1,000	6,500	4,700	1,800
Earth scientists, geologists, oceanographers	28,600	24,300	22,200	2,000	400	3,900	2,700	1,200
Physicists/astronomers	10,200	8,500	7,800	700	S	1,800	1,300	500
Other	7,800	7,300	6,300	1,100	S	500	S	S
Postsecondary teachers	11,400	9,800	6,500	3,300	S	1,500	700	800
Social/related scientists	183,400	155,900	108,400	47,500	2,300	25,200	11,900	13,300
Economists	18,000	15,200	13,100	2,000	S	2,700	900	1,700
Political/related scientists.....	5,100	4,200	3,500	800	S	700	S	600
Psychologists	118,100	102,400	70,400	32,000	1,100	14,500	7,500	7,000
Sociologists/anthropologists.....	7,500	6,900	5,100	1,800	S	S	S	S
Other	6,800	5,700	4,800	900	S	S	S	S
Postsecondary teachers	28,000	21,500	11,400	10,100	300	6,200	3,100	3,000
Engineers.....	435,900	376,500	361,700	14,900	7,600	51,800	39,800	12,000
Aerospace/related	32,700	26,300	25,700	600	S	6,100	5,600	500
Chemical.....	25,000	20,700	19,900	700	700	3,600	3,200	500
Civil and architectural.....	64,300	57,200	54,600	2,700	900	6,100	4,800	1,300
Electrical/related	123,100	109,400	106,100	3,200	1,600	12,000	9,000	3,000
Industrial.....	20,700	17,400	16,600	800	S	3,100	1,900	1,200
Mechanical	72,200	62,000	59,900	2,100	1,800	8,500	6,600	1,800
Other.....	88,200	76,900	74,300	2,600	1,800	9,500	6,500	3,000
Postsecondary teachers	9,600	6,600	4,400	2,200	S	2,900	2,200	600

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Degree and occupation	All S&E occupations	Employed			Unemployed, seeking job	Not in labor force		
		Total	Full time	Part time		Total	Retired	Not seeking job
Doctoral								
All S&E occupations.....	547,800	484,100	447,100	37,000	5,800	57,900	48,000	9,900
Scientists	452,200	399,900	366,100	33,800	4,100	48,200	39,000	9,200
Mathematical/computer scientists.....	72,800	67,100	63,000	4,100	500	5,300	4,400	900
Computer/information scientists.....	34,100	32,400	31,300	1,100	200	1,500	1,100	400
Mathematical scientists	8,900	7,900	7,400	500	100	900	700	200
Postsecondary teachers	29,900	26,800	24,300	2,500	200	2,900	2,600	300
Life/related scientists	137,500	121,100	115,300	5,800	1,200	15,200	12,000	3,200
Agricultural/food scientists.....	10,700	9,200	8,600	600	100	1,400	1,300	100
Biological scientists.....	78,900	70,000	66,900	3,000	900	8,100	5,500	2,600
Environmental life scientists.....	1,500	1,200	1,100	S	S	200	200	S
Postsecondary teachers	46,400	40,800	38,700	2,100	100	5,500	5,000	500
Physical/related scientists	99,000	84,900	80,500	4,400	1,500	12,700	11,000	1,700
Chemists, except biochemists	34,200	28,100	26,900	1,200	700	5,400	4,700	700
Earth scientists, geologists, oceanographers	11,900	10,400	9,800	600	300	1,300	1,000	200
Physicists/astronomers	16,800	14,700	14,000	700	S	1,900	1,600	300
Other	2,000	1,800	1,700	100	S	200	200	S
Postsecondary teachers	34,000	29,800	28,100	1,700	200	4,000	3,500	500
Social/related scientists	142,800	126,900	107,300	19,600	900	15,000	11,600	3,300
Economists	9,400	8,100	7,700	400	S	1,200	1,000	200
Political/related scientists.....	1,700	1,400	1,400	S	S	300	300	S
Psychologists	62,900	58,000	43,900	14,000	400	4,500	2,700	1,800
Sociologists/anthropologists.....	4,600	3,700	3,200	500	S	800	700	100
Other	3,300	2,400	2,100	300	S	800	700	100
Postsecondary teachers	60,900	53,300	49,000	4,300	300	7,300	6,300	1,100
Engineers	95,600	84,200	81,000	3,200	1,700	9,700	9,000	700
Aerospace/related	5,200	4,600	4,400	200	S	500	500	S
Chemical.....	9,700	8,100	7,800	200	300	1,300	1,200	100
Civil/architectural	5,400	5,100	4,700	400	S	200	200	S
Electrical/related	19,900	18,400	18,000	400	300	1,300	1,200	100
Industrial.....	1,100	1,000	1,000	S	S	S	S	S
Mechanical	10,300	9,100	8,800	300	200	1,000	1,000	S
Other.....	22,100	18,800	18,100	700	500	2,800	2,600	200
Postsecondary teachers	21,800	19,200	18,300	900	100	2,500	2,400	200

S suppressed for reasons of confidentiality and/or data reliability

*Includes professional degrees.

NOTE: For unemployed individuals, occupation is for their previous reported job.

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