

TABLE H-19. Employed scientists and engineers, by sector of employment, broad occupation, sex, race/ethnicity, and disability status: 2003

Sector and occupation	Race/ethnicity									
	Sex			Race/ethnicity					Disability status	
	Total	Female	Male	White	Asian	Black	Hispanic	American Indian/ Alaska Native	No disability	With disability
All sectors	18,019,400	7,582,200	10,437,200	13,953,800	1,721,900	1,036,200	936,900	76,200	17,022,100	997,300
S&E occupations	4,927,500	1,330,500	3,597,100	3,706,100	697,100	215,800	214,300	17,300	4,678,100	249,500
Scientist	3,372,700	1,158,200	2,214,500	2,509,100	502,300	163,000	134,500	12,500	3,200,800	171,800
Biological/life scientist	554,500	240,400	314,200	422,500	78,500	20,400	23,100	3,900	523,600	31,000
Computer and information scientist	1,883,400	519,700	1,363,700	1,335,800	342,900	96,600	72,800	3,200	1,796,600	86,800
Mathematical scientist	125,100	50,100	75,000	95,700	14,600	9,300	3,800	400	117,100	8,000
Physical scientist	315,100	89,900	225,100	248,900	38,600	8,800	12,600	1,500	299,500	15,600
Psychologist	212,000	136,600	75,400	180,200	7,000	10,300	11,100	1,000	197,200	14,800
Social scientist	282,600	121,500	161,100	225,900	20,700	17,700	11,200	2,500	266,900	15,700
Engineers	1,554,900	172,300	1,382,500	1,197,000	194,800	52,800	79,700	4,800	1,477,200	77,600
S&E-related occupations	5,220,600	2,886,900	2,333,700	4,071,300	482,100	287,400	266,700	20,800	4,970,100	250,500
Non-S&E occupations	7,871,300	3,364,900	4,506,400	6,176,500	542,700	533,000	456,000	38,100	7,373,900	497,400
Business or industry	9,677,900	3,198,700	6,479,100	7,472,200	1,121,900	421,000	477,900	33,400	9,202,600	475,300
S&E occupations	3,092,900	651,600	2,441,300	2,296,100	492,100	122,800	128,000	8,500	2,952,900	140,000
Scientist	1,888,700	531,000	1,357,700	1,359,000	343,500	84,100	69,300	5,000	1,805,100	83,600
Biological/life scientist	125,300	53,200	72,100	94,800	18,700	4,500	6,200	200	119,100	6,100
Computer and information scientist	1,449,600	364,000	1,085,600	1,015,700	290,000	68,700	50,300	2,800	1,386,300	63,300
Mathematical scientist	33,500	9,400	24,000	27,200	4,100	1,200	500	S	31,300	2,100
Physical scientist	161,900	48,900	113,000	125,200	21,400	5,100	6,900	800	155,500	6,400
Psychologist	33,200	21,500	11,700	27,800	700	1,600	2,400	200	31,200	2,000
Social scientist	85,200	34,000	51,200	68,200	8,600	3,000	3,000	S	81,600	3,700
Engineers	1,204,300	120,600	1,083,600	937,100	148,600	38,700	58,700	3,500	1,147,900	56,400
S&E-related occupations	2,336,200	1,102,900	1,233,300	1,796,300	269,700	99,600	124,100	8,300	2,238,300	97,900
Non-S&E occupations	4,248,700	1,444,200	2,804,500	3,379,900	360,100	198,700	225,800	16,600	4,011,300	237,400
Federal government	803,200	254,900	548,300	608,400	60,400	69,300	44,200	4,500	751,300	51,900
S&E occupations	285,800	76,400	209,400	219,500	25,500	19,500	14,200	1,700	268,700	17,100
Scientist	179,200	62,300	116,900	135,900	14,600	15,400	8,600	1,400	167,800	11,400
Biological/life scientist	48,900	17,400	31,500	38,400	4,400	2,600	1,900	600	47,100	1,800
Computer and information scientist	66,700	23,200	43,500	46,100	7,200	8,200	3,600	S	60,700	6,100
Mathematical scientist	13,100	6,100	7,000	9,900	600	1,400	900	S	12,300	800
Physical scientist	25,400	5,400	20,000	21,000	1,800	1,100	1,000	300	23,900	1,400
Psychologist	5,600	3,300	2,300	4,900	S	200	300	100	5,200	S
Social scientist	19,400	6,900	12,500	15,500	400	2,000	900	S	18,700	700
Engineers	106,600	14,100	92,500	83,600	10,900	4,000	5,600	S	100,900	5,700
S&E-related occupations	156,900	70,600	86,300	120,500	11,400	10,200	9,500	1,100	149,300	7,500
Non-S&E occupations	360,600	107,900	252,700	268,400	23,500	39,700	20,500	1,700	333,300	27,300

Women, Minorities, and Persons with Disabilities in Science and Engineering

TABLE H-19. Employed scientists and engineers, by sector of employment, broad occupation, sex, race/ethnicity, and disability status: 2003

Sector and occupation	Race/ethnicity									
	Sex			Race/ethnicity					Disability status	
	Total	Female	Male	White	Asian	Black	Hispanic	American Indian/ Alaska Native	No disability	With disability
Nonprofit	1,558,100	1,039,500	518,700	1,247,900	112,400	97,800	67,300	4,900	1,487,500	70,600
S&E occupations	179,700	76,500	103,200	133,000	22,100	10,300	9,300	1,100	171,900	7,800
Scientist	158,500	71,300	87,200	119,300	18,100	9,500	6,600	1,000	151,400	7,100
Biological/life scientist	25,700	9,900	15,800	18,900	4,300	1,300	500	S	25,100	600
Computer and information scientist	73,800	28,600	45,100	52,900	9,500	5,200	4,400	S	70,400	3,300
Mathematical scientist	2,900	1,800	1,100	2,600	200	S	S	S	2,800	S
Physical scientist	5,500	2,100	3,400	4,200	1,100	100	S	S	5,400	S
Psychologist	20,100	12,600	7,500	17,500	900	700	900	S	18,500	1,700
Social scientist	30,500	16,300	14,200	23,200	2,100	2,100	700	S	29,300	1,200
Engineers	21,100	5,200	16,000	13,600	3,900	800	2,600	S	20,400	700
S&E-related occupations	754,600	577,700	176,900	608,400	60,600	43,100	23,500	1,400	728,900	25,700
Non-S&E occupations	623,900	385,300	238,500	506,500	29,800	44,400	34,500	2,500	586,700	37,100
Self-employed	1,240,800	488,600	752,100	1,036,200	85,500	35,200	60,500	7,900	1,151,600	89,200
S&E occupations	187,700	67,200	120,500	160,700	11,600	6,800	5,300	500	173,400	14,300
Scientist	139,700	61,600	78,100	120,500	7,400	6,100	3,200	400	129,600	10,100
Biological/life scientist	9,200	3,200	6,000	8,400	600	S	S	S	7,000	2,300
Computer and information scientist	58,900	17,500	41,400	47,900	6,100	2,200	1,000	S	57,100	1,800
Mathematical scientist	2,000	600	1,400	2,000	S	S	S	S	2,000	S
Physical scientist	7,000	600	6,400	6,500	S	S	200	S	6,700	300
Psychologist	44,900	30,900	14,000	41,000	400	1,600	1,200	400	40,600	4,300
Social scientist	17,500	8,700	8,800	14,700	S	2,000	700	S	16,100	S
Engineers	48,000	5,600	42,400	40,200	4,200	800	2,100	S	43,800	4,200
S&E-related occupations	375,400	157,200	218,200	307,100	31,200	9,600	20,100	3,200	352,500	22,900
Non-S&E occupations	677,700	264,200	413,400	568,400	42,800	18,800	35,000	4,300	625,700	52,000
State/local government	1,339,600	637,500	702,100	966,300	90,000	157,100	87,400	9,500	1,237,700	102,000
S&E occupations	313,600	98,600	215,000	239,900	28,100	18,600	19,700	2,000	292,600	21,000
Scientist	212,500	84,000	128,500	167,100	16,800	13,000	12,300	1,300	198,000	14,500
Biological/life scientist	42,700	13,700	29,000	35,900	3,300	1,300	1,100	S	39,700	2,900
Computer and information scientist	85,200	32,400	52,800	62,300	9,600	5,800	6,200	S	79,600	5,600
Mathematical scientist	7,200	3,800	3,400	4,700	1,600	S	S	S	6,400	S
Physical scientist	28,000	8,300	19,700	23,700	1,100	1,200	1,400	S	25,800	2,300
Psychologist	14,200	9,000	5,200	11,700	300	600	1,400	S	12,900	1,300
Social scientist	35,200	16,800	18,400	28,700	1,000	3,600	2,000	S	33,700	1,500
Engineers	101,100	14,600	86,500	72,800	11,300	5,600	7,400	S	94,600	6,500
S&E-related occupations	307,000	192,800	114,300	217,100	25,600	31,500	20,900	1,500	282,400	24,600
Non-S&E occupations	719,000	346,200	372,800	509,400	36,200	106,900	46,700	6,000	662,600	56,400
Universities and 4-year colleges	1,505,300	754,600	750,700	1,110,300	202,000	88,700	73,000	7,900	1,422,300	83,000
S&E occupations	703,600	266,800	436,800	517,700	110,900	28,700	31,000	3,400	665,100	38,500
Scientist	635,400	256,200	379,200	472,900	95,400	26,100	28,100	3,100	600,500	34,900
Biological/life scientist	271,900	120,900	151,000	200,000	45,600	8,300	13,200	1,500	257,500	14,400
Computer and information scientist	107,200	33,200	74,000	74,300	18,800	5,500	5,000	S	102,400	4,800

Women, Minorities, and Persons with Disabilities in Science and Engineering

TABLE H-19. Employed scientists and engineers, by sector of employment, broad occupation, sex, race/ethnicity, and disability status: 2003

Sector and occupation	Race/ethnicity										
	Sex			Race/ethnicity						Disability status	
	Total	Female	Male	White	Asian	Black	Hispanic	American Indian/ Alaska Native	No disability	With disability	
Mathematical scientist	46,900	18,400	28,400	33,600	6,300	4,700	1,600	S	44,200	2,600	
Physical scientist	80,100	22,700	57,400	61,800	12,800	1,100	3,000	300	75,600	4,500	
Psychologist	49,400	27,500	21,900	40,200	3,800	2,100	2,400	300	46,800	2,600	
Social scientist	79,800	33,500	46,400	63,100	8,100	4,400	2,900	700	73,900	5,900	
Engineers	68,200	10,600	57,600	44,800	15,600	2,600	2,900	300	64,600	3,600	
S&E-related occupations	456,100	303,400	152,700	328,300	65,700	35,500	18,200	2,200	439,200	16,900	
Non-S&E occupations	345,600	184,400	161,200	264,300	25,300	24,500	23,900	2,300	318,000	27,600	
Other educational institutions	1,894,400	1,208,400	686,000	1,512,500	49,600	167,100	126,700	8,200	1,769,200	125,300	
S&E occupations	164,300	93,300	70,900	139,200	6,800	9,200	6,800	300	153,400	10,900	
Scientist	158,700	91,800	66,900	134,400	6,500	9,000	6,500	300	148,400	10,300	
Biological/life scientist	30,800	22,100	8,700	26,000	1,500	2,300	100	S	28,000	2,700	
Computer and information scientist	41,900	20,800	21,200	36,600	1,600	1,100	2,200	S	40,100	1,800	
Mathematical scientist	19,500	9,900	9,500	15,700	1,700	1,400	500	S	18,100	1,300	
Physical scientist	7,100	1,900	5,200	6,600	300	100	100	S	6,500	600	
Psychologist	44,500	31,800	12,700	37,000	900	3,500	2,600	S	42,000	2,500	
Social scientist	14,900	5,300	9,600	12,500	500	600	1,100	S	13,600	1,300	
Engineers	5,600	1,600	4,000	4,800	300	S	S	S	5,000	600	
S&E-related occupations	834,300	482,300	352,000	693,700	17,900	57,900	50,300	3,200	779,400	54,900	
Non-S&E occupations	895,900	632,700	263,200	679,600	25,000	100,000	69,600	4,700	836,400	59,500	

S = suppressed because fewer than 50 weighted cases.

NOTES: Numbers rounded to nearest 100. Detail may not add to total because of rounding. Total includes Native Hawaiian/other Pacific Islander and multiple race not shown separately. For disability status, those who reported any difficulty (from moderate to unable to do) in any category of seeing (with glasses/contact lenses), hearing (with hearing aid), walking, or lifting are classified as "with disability." Differences in estimates of scientists and engineers in the tables in this report reflect different data sources. Data from the Current Population Survey cover employed persons 16 years and older regardless of degree status. Data based on the SESTAT surveys cover persons with bachelor's or higher degrees who were either educated as or working as scientists or engineers.

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