

Table C-8. Employed U.S. scientists and engineers, by level and field of highest degree attained, employment sector, and primary/secondary work activity : 1993

Level and field of highest degree, and employment sector	Employed S&Es, total	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, admin	Computer applications	Professional services/ other
All degree levels¹						
All degree fields, total	9,793,500	2,919,600	1,462,800	5,625,100	2,072,300	3,366,800
Educational institution	1,761,400	619,900	1,043,200	555,500	234,800	421,400
Government	1,370,900	373,600	76,600	828,500	269,000	574,600
Business/industry	6,661,200	1,926,100	343,000	4,241,200	1,568,500	2,370,900
S&E degree fields, total	7,035,800	2,348,600	951,300	4,024,500	1,603,400	2,037,300
Educational institution	1,181,000	485,100	680,300	347,200	173,500	219,300
Government	1,021,100	305,900	55,900	604,000	209,000	401,700
Business/industry	4,833,700	1,557,600	215,100	3,073,300	1,220,900	1,416,300
Sciences, total	5,202,100	1,411,700	878,400	2,986,800	1,141,500	1,621,100
Educational institution	1,073,100	417,500	636,600	320,700	143,800	207,500
Government	756,200	184,100	50,700	438,400	149,800	331,100
Business/industry	3,372,800	810,100	191,100	2,227,700	847,900	1,082,600
Computer/math sciences, total	918,000	296,600	132,500	451,100	519,100	136,300
Educational institution	150,800	47,800	108,600	40,900	43,300	14,200
Government	89,400	25,700	3,500	50,100	46,800	18,800
Business/industry	677,800	223,200	20,400	360,200	428,900	103,200
Life/related sciences, total	1,073,100	369,100	194,300	570,000	133,600	384,600
Educational institution	280,200	147,200	144,200	75,000	23,200	51,000
Government	149,000	50,800	10,000	77,200	24,200	69,000
Business/industry	643,900	171,200	40,100	417,800	86,300	264,700
Physical/related sciences, total	599,800	295,000	82,200	286,600	118,900	142,600
Educational institution	129,200	76,100	69,100	25,200	23,200	12,800
Government	79,400	37,400	3,200	40,300	16,900	27,600
Business/industry	391,100	181,500	9,900	221,200	78,800	102,200
Social/related sciences, total	2,611,200	451,000	469,300	1,679,000	369,900	957,700
Educational institution	512,800	146,400	314,700	179,800	54,100	129,500
Government	438,400	70,300	34,000	270,700	61,900	215,700
Business/industry	1,660,000	234,300	120,600	1,228,500	253,900	612,500
Engineering, total	1,833,700	936,900	72,900	1,037,700	461,900	416,100
Educational institution	108,000	67,600	43,700	26,500	29,700	11,800
Government	264,800	121,700	5,200	165,600	59,200	70,700
Business/industry	1,460,900	747,600	24,100	845,600	373,000	333,700
Non-S&E degree fields, total	2,757,700	571,100	511,500	1,600,600	468,900	1,329,600
Educational institution	580,400	134,800	362,900	208,200	61,400	202,100
Government	349,800	67,700	20,700	224,500	60,000	172,800
Business/industry	1,827,500	368,500	127,900	1,167,900	347,600	954,700
Bachelor's						
All degree fields, total	5,727,200	1,666,500	607,800	3,463,100	1,460,400	1,704,900
Educational institution	653,100	203,800	363,700	212,500	118,800	130,500
Government	831,500	224,900	49,400	488,700	186,200	334,900
Business/industry	4,242,600	1,237,800	194,700	2,761,900	1,155,400	1,239,400

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

Table C-8. Employed U.S. scientists and engineers, by level and field of highest degree attained, employment sector, and primary/secondary work activity : 1993

Level and field of highest degree, and employment sector	Employed S&Es, total	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, admin	Computer applications	Professional services/ other
Bachelor's — continued						
S&E degree fields, total	5,172,600	1,473,000	549,500	3,171,900	1,217,000	1,559,000
Educational institution	598,600	189,500	335,700	192,900	101,700	116,900
Government	767,200	201,500	45,300	456,400	161,600	314,800
Business/industry	3,806,800	1,082,000	168,600	2,522,600	953,700	1,127,400
Sciences, total	3,814,400	830,400	510,000	2,366,200	886,700	1,219,700
Educational institution	550,700	165,600	319,200	179,000	86,800	109,600
Government	564,900	112,600	41,400	330,400	116,600	256,800
Business/industry	2,698,700	552,200	149,400	1,856,800	683,200	853,200
Computer/math sciences, total	663,800	193,500	69,400	344,000	389,900	106,000
Educational institution	75,700	16,400	51,200	23,400	24,700	8,200
Government	66,900	16,700	3,100	37,400	35,200	14,500
Business/industry	521,200	160,300	15,100	283,300	330,000	83,300
Life/related sciences, total	773,600	202,200	107,800	452,100	106,800	312,200
Educational institution	138,800	57,700	68,000	41,300	13,700	33,900
Government	108,300	29,500	7,500	56,600	19,100	54,300
Business/industry	526,400	115,100	32,300	354,300	74,000	224,000
Physical/related sciences, total	372,500	144,300	35,900	202,500	76,600	111,800
Educational institution	52,600	25,000	25,300	11,700	10,500	7,800
Government	50,100	18,400	2,600	25,600	10,400	22,700
Business/industry	269,900	100,900	8,000	165,200	55,600	81,300
Social/related sciences, total	2,004,400	290,500	296,900	1,367,500	313,500	689,700
Educational institution	283,600	66,600	174,700	102,600	37,900	59,700
Government	339,600	48,000	28,300	210,900	51,900	165,300
Business/industry	1,381,200	175,900	94,000	1,054,000	223,600	464,700
Engineering, total	1,358,300	642,600	39,500	805,700	330,400	339,400
Educational institution	47,800	23,900	16,400	14,000	14,800	7,300
Government	202,300	88,900	3,900	125,900	45,000	57,900
Business/industry	1,108,100	529,800	19,200	665,800	270,500	274,200
Non-S&E degree fields, total	554,500	193,500	58,200	291,300	243,400	145,900
Educational institution	54,500	14,300	28,100	19,600	17,200	13,600
Government	64,200	23,400	4,100	32,400	24,600	20,200
Business/industry	435,800	155,800	26,100	239,300	201,600	112,100
Master's						
All degree fields, total	2,575,600	766,400	521,900	1,475,300	520,800	757,100
Educational institution	671,600	176,400	415,700	232,600	91,200	156,800
Government	380,800	101,100	18,500	257,500	71,300	136,000
Business/industry	1,523,200	488,900	87,600	985,200	358,300	464,400
S&E degree fields, total	1,328,400	529,400	230,400	664,600	326,200	364,800
Educational institution	328,100	115,900	186,900	95,200	53,500	72,700
Government	202,000	72,800	8,000	121,900	40,600	72,000
Business/industry	798,300	340,700	35,500	447,400	232,100	220,000

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

Table C-8. Employed U.S. scientists and engineers, by level and field of highest degree attained, employment sector, and primary/secondary work activity : 1993

Level and field of highest degree, and employment sector	Employed S&Es, total	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, admin	Computer applications	Professional services/ other
Master's — continued						
Sciences, total	937,700	298,500	216,800	462,200	211,500	296,000
Educational institution	296,300	94,200	178,100	88,800	41,600	69,300
Government	145,500	44,400	6,900	85,300	27,900	60,000
Business/industry	495,900	159,900	31,800	288,200	142,100	166,700
Computer/math sciences, total	221,400	81,000	45,300	99,200	120,500	27,600
Educational institution	54,300	17,300	39,900	13,800	16,200	4,900
Government	21,200	7,900	400	12,300	11,200	4,200
Business/industry	145,900	55,800	5,000	73,200	93,100	18,500
Life/related sciences, total	151,000	62,600	42,900	67,100	18,100	42,400
Educational institution	59,900	27,200	35,800	14,800	5,800	6,200
Government	24,000	10,000	1,700	12,800	3,800	10,800
Business/industry	67,100	25,400	5,500	39,400	8,500	25,500
Physical/related sciences, total	111,300	63,400	19,100	44,600	25,700	19,700
Educational institution	30,000	16,100	17,900	3,300	6,900	2,600
Government	18,600	10,900	400	10,000	4,600	3,400
Business/industry	62,700	36,300	800	31,300	14,100	13,700
Social/related sciences, total	453,900	91,500	109,400	251,300	47,200	206,300
Educational institution	152,000	33,500	84,500	56,900	12,600	55,700
Government	81,800	15,600	4,400	50,200	8,400	41,700
Business/industry	220,100	42,400	20,500	144,300	26,300	108,900
Engineering, total	390,700	230,800	13,600	202,400	114,700	68,700
Educational institution	31,800	21,700	8,700	6,500	11,900	3,400
Government	56,500	28,400	1,100	36,600	12,700	12,000
Business/industry	302,400	180,700	3,800	159,300	90,000	53,300
Non-S&E degree fields, total	1,247,100	237,000	291,400	810,700	194,600	392,400
Educational institution	343,500	60,500	228,900	137,300	37,700	84,000
Government	178,700	28,300	10,500	135,500	30,700	64,000
Business/industry	724,900	148,200	52,100	537,800	126,200	244,300
Doctorate						
All degree fields, total	634,800	382,100	216,800	237,700	70,400	142,200
Educational institution	312,100	204,500	198,200	83,200	22,200	37,700
Government	59,100	33,900	2,800	29,600	8,200	18,400
Business/industry	263,500	143,700	15,800	124,800	40,100	86,100
S&E degree fields, total	529,200	345,000	170,400	186,200	59,500	109,100
Educational institution	252,000	178,900	157,300	58,300	17,800	28,100
Government	51,300	31,500	2,500	25,500	6,600	14,500
Business/industry	225,900	134,500	10,600	102,400	35,100	66,400
Sciences, total	444,500	281,500	150,600	156,600	42,600	101,000
Educational institution	223,700	157,000	138,700	52,200	14,900	27,000
Government	45,300	27,000	2,400	22,500	5,200	13,700
Business/industry	175,600	97,500	9,500	81,900	22,600	60,300

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

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Level and field of highest degree, and employment sector	Employed S&Es, total	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, admin	Computer applications	Professional services/ other
Doctorate — continued						
Computer/math sciences, total	32,800	22,100	17,800	7,900	8,700	2,700
Educational institution	20,900	14,000	17,500	3,700	2,400	1,100
Government	1,300	1,000	S	500	500	200
Business/industry	10,700	7,100	300	3,700	5,800	1,400
Life/related sciences, total	148,500	104,300	43,700	50,800	8,700	30,000
Educational institution	81,500	62,300	40,400	18,900	3,700	10,900
Government	16,700	11,300	800	7,800	1,300	3,800
Business/industry	50,300	30,700	2,400	24,100	3,700	15,200
Physical/related sciences, total	115,900	87,200	27,200	39,500	16,700	11,100
Educational institution	46,600	35,000	25,800	10,200	5,800	2,400
Government	10,800	8,000	200	4,700	1,900	1,500
Business/industry	58,500	44,200	1,200	24,700	9,100	7,200
Social/related sciences, total	147,300	67,800	62,000	58,300	8,500	57,300
Educational institution	74,800	45,600	55,000	19,500	3,100	12,600
Government	16,500	6,700	1,300	9,500	1,400	8,200
Business/industry	56,000	15,500	5,600	29,400	4,000	36,500
Engineering, total	84,700	63,400	19,800	29,700	16,800	8,000
Educational institution	28,300	22,000	18,600	6,100	2,900	1,100
Government	6,000	4,400	100	3,100	1,400	800
Business/industry	50,400	37,000	1,100	20,500	12,500	6,200
Non-S&E degree fields, total	105,600	37,100	46,400	51,500	11,000	33,100
Educational institution	60,100	25,500	41,000	25,000	4,400	9,600
Government	7,900	2,400	300	4,100	1,600	3,900
Business/industry	37,600	9,200	5,200	22,400	5,000	19,600

¹ Includes professional degrees

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 are employed in an S&E occupation.

Figures are rounded to nearest hundred. Details may not add to total because of rounding.

Sum of primary/secondary work activity categories exceeds total because of multiple responses.

KEY: S = Suppressed for reasons of confidentiality and/or data reliability

SOURCE: National Science Foundation/Science Resources Studies Division, 1993 SESTAT (Scientists and Engineers Statistical Data System)