

Table E-9. Employed U.S. scientists and engineers, by highest degree attained, broad occupation, employment sector, and primary/secondary work activity : 1995

Highest degree, occupation, 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 occupations, total²	10,114,500	2,901,800	1,459,000	6,035,200	2,156,900	3,498,600
Educational institution	1,837,300	592,100	1,064,900	658,100	241,900	491,800
Government	1,384,100	355,500	84,300	843,300	282,400	615,000
Business/industry	6,893,100	1,954,300	309,800	4,533,800	1,632,700	2,391,800
S&E occupations, total	3,185,600	1,809,000	369,400	1,332,700	1,148,400	665,900
Educational institution	566,300	350,800	298,000	117,400	101,900	95,600
Government	444,100	215,200	15,100	220,900	146,600	139,500
Business/industry	2,175,100	1,243,100	56,300	994,300	899,900	430,800
Scientists, total	1,846,600	935,600	325,100	668,300	817,600	390,000
Educational institution	492,100	295,600	267,000	100,800	86,600	88,700
Government	241,600	112,200	12,200	104,100	95,300	79,200
Business/industry	1,112,900	527,700	46,000	463,300	635,800	222,100
Computer/math scientists, total	949,500	397,500	101,800	378,400	717,000	91,100
Educational institution	123,900	50,700	71,300	31,600	55,600	11,300
Government	91,100	37,400	4,200	38,000	69,300	12,400
Business/industry	734,400	309,400	26,200	308,700	592,100	67,500
Life/related scientists, total	305,300	213,300	75,300	103,200	28,300	63,700
Educational institution	149,000	112,800	69,800	32,600	8,700	20,000
Government	62,300	32,800	2,800	29,400	8,300	24,200
Business/industry	94,000	67,700	2,600	41,200	11,300	19,400
Physical/related scientists, total ...	274,300	197,000	48,200	88,000	48,800	52,800
Educational institution	79,600	58,400	45,000	11,200	12,900	5,500
Government	44,000	26,000	1,500	17,200	10,500	14,900
Business/industry	150,700	112,600	1,600	59,600	25,400	32,400
Social/related scientists, total	317,500	127,800	99,900	98,800	23,600	182,500
Educational institution	139,500	73,800	80,800	25,400	9,400	52,000
Government	44,200	16,000	3,600	19,500	7,100	27,700
Business/industry	133,900	38,000	15,500	53,900	7,100	102,800
Engineers, total	1,339,000	873,400	44,200	664,400	330,800	275,900
Educational institution	74,300	55,100	31,000	16,600	15,300	6,900
Government	202,500	103,000	2,900	116,800	51,400	60,300
Business/industry	1,062,200	715,300	10,300	531,000	264,100	208,700
Non-S&E occupations, total	6,928,900	1,092,800	1,089,600	4,702,500	1,008,500	2,832,600
Educational institution	1,271,000	241,300	766,900	540,700	140,000	396,100
Government	940,000	140,300	69,200	622,400	135,700	475,500
Business/industry	4,717,900	711,200	253,500	3,539,500	732,800	1,961,000
Managers/administrators	1,963,200	296,100	61,800	1,817,900	271,900	405,300
Educational institution	189,100	24,900	21,600	172,600	21,200	45,100
Government	324,700	52,100	12,000	289,700	41,000	84,800
Business/industry	1,449,300	219,100	28,200	1,355,600	209,700	275,400
Other non-S&E occupations	4,965,700	796,700	1,027,800	2,884,600	736,700	2,427,300
Educational institution	1,081,800	216,400	745,300	368,100	118,800	351,000
Government	615,300	88,200	57,200	332,700	94,800	390,700
Business/industry	3,268,600	492,100	225,300	2,183,900	523,000	1,685,600

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

Table E-9. Employed U.S. scientists and engineers, by highest degree attained, broad occupation, employment sector, and primary/secondary work activity : 1995

Highest degree, occupation, 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						
All occupations, total²	5,926,700	1,637,100	610,600	3,758,000	1,494,300	1,767,600
Educational institution	709,700	189,200	380,600	278,500	123,400	168,400
Government	848,300	205,600	52,000	516,100	198,300	366,800
Business/industry	4,368,700	1,242,300	178,100	2,963,500	1,172,500	1,232,300
S&E occupations, total	1,845,800	1,003,100	95,600	865,700	772,700	347,200
Educational institution	152,700	89,100	53,600	40,500	46,400	20,400
Government	279,400	125,900	8,100	146,900	101,300	84,900
Business/industry	1,413,700	788,200	33,900	678,300	625,000	241,800
Scientists, total	937,500	430,500	82,200	388,500	548,600	148,100
Educational institution	128,200	72,900	48,100	34,300	39,100	16,300
Government	133,000	53,000	6,400	60,700	63,900	40,200
Business/industry	676,300	304,600	27,700	293,400	445,500	91,700
Computer/math scientists, total	625,500	245,600	39,900	267,000	498,600	57,200
Educational institution	45,800	13,800	15,900	17,600	29,100	5,700
Government	61,400	23,300	3,200	25,400	48,200	8,100
Business/industry	518,300	208,500	20,800	224,100	421,300	43,400
Life/related scientists, total	122,200	73,900	17,800	50,900	14,500	29,300
Educational institution	41,300	31,200	15,000	9,700	3,100	3,700
Government	33,900	13,000	1,100	18,200	5,300	15,600
Business/industry	46,900	29,700	1,600	22,900	6,100	10,000
Physical/related scientists, total	128,300	84,200	11,300	48,600	25,500	31,700
Educational institution	20,600	15,100	9,100	2,900	3,500	1,100
Government	23,700	11,800	1,300	10,200	6,400	9,100
Business/industry	84,000	57,300	800	35,500	15,600	21,500
Social/related scientists, total	61,500	26,800	13,300	22,000	9,900	29,900
Educational institution	20,500	12,700	8,100	4,200	3,500	5,800
Government	13,900	5,000	800	6,900	3,900	7,300
Business/industry	27,100	9,000	4,400	10,900	2,500	16,800
Engineers, total	908,300	572,600	13,400	477,200	224,100	199,100
Educational institution	24,600	16,200	5,500	6,200	7,300	4,100
Government	146,400	72,800	1,700	86,200	37,400	44,800
Business/industry	737,400	483,600	6,200	384,800	179,400	150,200
Non-S&E occupations, total	4,080,900	634,000	515,000	2,892,300	721,600	1,420,400
Educational institution	557,000	100,100	327,000	238,000	77,000	148,000
Government	568,900	79,700	43,900	369,200	97,000	281,900
Business/industry	2,955,000	454,100	144,200	2,285,200	547,600	990,500
Managers/administrators	1,095,200	145,300	25,700	1,016,700	171,100	214,700
Educational institution	55,100	5,300	4,600	50,700	10,500	13,500
Government	168,000	23,800	6,800	147,800	23,500	43,500
Business/industry	872,100	116,200	14,300	818,100	137,200	157,700
Other non-S&E occupations	2,985,800	488,600	489,300	1,875,700	550,500	1,205,700
Educational institution	501,900	94,900	322,300	187,200	66,500	134,400
Government	400,900	55,900	37,100	221,300	73,500	238,500
Business/industry	2,083,000	337,900	129,900	1,467,100	410,400	832,800

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

Table E-9. Employed U.S. scientists and engineers, by highest degree attained, broad occupation, employment sector, and primary/secondary work activity : 1995

Highest degree, occupation, 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						
All occupations, total²	2,656,800	753,900	500,300	1,559,000	558,100	837,900
Educational institution	668,600	154,700	404,500	257,500	94,100	184,700
Government	377,500	100,600	22,200	246,100	70,900	148,300
Business/industry	1,610,700	498,600	73,600	1,055,400	393,000	504,800
S&E occupations, total	891,600	480,500	106,100	361,600	316,900	221,200
Educational institution	172,500	81,500	84,600	37,500	39,000	41,600
Government	123,200	59,900	5,100	60,100	37,700	41,600
Business/industry	595,900	339,100	16,500	263,900	240,300	138,000
Scientists, total	532,900	241,200	92,800	190,800	224,400	151,600
Educational institution	147,700	63,200	76,200	30,900	33,100	39,900
Government	72,700	34,700	3,900	31,200	24,800	26,600
Business/industry	312,500	143,300	12,800	128,700	166,500	85,100
Computer/math scientists, total	267,200	113,600	37,100	101,400	194,000	28,300
Educational institution	49,500	17,300	31,100	11,400	21,900	3,400
Government	26,100	11,700	1,000	11,800	18,400	3,500
Business/industry	191,500	84,600	5,000	78,200	153,700	21,400
Life/related scientists, total	63,700	39,900	16,200	23,200	7,800	14,200
Educational institution	26,100	14,900	14,900	6,800	2,600	3,300
Government	16,500	9,600	900	7,500	1,800	6,300
Business/industry	21,100	15,500	300	8,900	3,400	4,600
Physical/related scientists, total	67,200	46,100	10,400	23,200	13,100	15,000
Educational institution	19,600	12,300	10,000	2,700	4,400	2,200
Government	11,800	6,900	100	4,600	2,500	4,600
Business/industry	35,700	27,000	300	15,900	6,200	8,200
Social/related scientists, total	134,900	41,600	29,200	43,000	9,500	94,000
Educational institution	52,400	18,700	20,100	10,100	4,200	31,100
Government	18,300	6,600	1,900	7,200	2,100	12,200
Business/industry	64,200	16,300	7,200	25,700	3,200	50,800
Engineers, total	358,700	239,300	13,300	170,800	92,500	69,700
Educational institution	24,800	18,300	8,400	6,700	5,900	1,700
Government	50,500	25,200	1,100	28,900	12,800	15,000
Business/industry	283,400	195,800	3,700	135,200	73,800	52,900
Non-S&E occupations, total	1,765,200	273,500	394,200	1,197,400	241,100	616,600
Educational institution	496,100	73,200	319,900	220,000	55,200	143,100
Government	254,300	40,700	17,100	186,000	33,300	106,700
Business/industry	1,014,900	159,500	57,100	791,500	152,700	366,800
Managers/administrators	697,100	101,700	25,200	649,100	89,700	148,800
Educational institution	87,900	8,400	9,600	81,500	8,700	21,500
Government	129,300	21,400	4,300	117,500	16,700	32,800
Business/industry	479,900	71,800	11,300	450,000	64,400	94,500
Other non-S&E occupations	1,068,100	171,700	369,000	548,400	151,500	467,800
Educational institution	408,100	64,800	310,300	138,400	46,500	121,600
Government	125,000	19,200	12,800	68,500	16,600	73,900
Business/industry	535,000	87,700	45,900	341,500	88,300	272,300

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Highest degree, occupation, and employment sector	Employed S&Es, total	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, admin	Computer applications	Professional services/ other
Doctorate						
All occupations, total²	689,900	407,900	240,100	260,600	78,900	166,000
Educational institution	348,700	218,900	222,800	94,400	23,500	53,800
Government	62,600	36,000	3,200	30,700	8,900	20,100
Business/industry	278,600	153,000	14,100	135,600	46,500	92,100
S&E occupations, total	417,100	309,000	158,600	95,300	56,500	80,800
Educational institution	225,800	171,800	151,800	36,900	16,500	25,200
Government	37,600	27,300	1,400	12,000	7,200	10,900
Business/industry	153,800	110,000	5,400	46,500	32,800	44,700
Scientists, total	347,500	249,200	141,200	80,300	42,900	74,500
Educational institution	200,900	151,100	134,700	33,200	14,300	24,200
Government	32,500	22,800	1,400	10,800	6,100	10,300
Business/industry	114,100	75,300	5,000	36,400	22,500	40,000
Computer/math scientists, total ...	53,700	37,200	24,600	9,000	22,900	4,700
Educational institution	28,500	19,600	24,200	2,700	4,700	2,200
Government	3,300	2,500	S	900	2,400	500
Business/industry	21,800	15,200	400	5,400	15,900	2,000
Life/related scientists, total	102,300	89,000	35,100	24,700	5,800	10,800
Educational institution	69,500	59,100	34,100	13,900	3,000	6,200
Government	9,900	8,800	300	3,000	1,000	1,500
Business/industry	22,900	21,100	700	7,800	1,800	3,100
Physical/related scientists, total ...	78,700	66,500	26,500	16,200	10,100	6,100
Educational institution	39,400	31,000	25,900	5,700	5,000	2,200
Government	8,400	7,300	100	2,300	1,600	1,100
Business/industry	30,900	28,200	500	8,200	3,500	2,700
Social/related scientists, total	112,800	56,500	54,900	30,400	4,100	52,900
Educational institution	63,500	41,400	50,500	10,800	1,700	13,600
Government	10,900	4,300	1,000	4,600	1,000	7,200
Business/industry	38,400	10,800	3,500	15,000	1,300	32,100
Engineers, total	69,600	59,800	17,500	15,000	13,600	6,300
Educational institution	24,900	20,700	17,100	3,700	2,200	1,000
Government	5,000	4,500	S	1,200	1,100	600
Business/industry	39,700	34,700	300	10,100	10,300	4,800
Non-S&E occupations, total	272,800	98,800	81,500	165,300	22,300	85,100
Educational institution	122,900	47,200	71,000	57,500	7,000	28,600
Government	25,000	8,700	1,700	18,700	1,700	9,200
Business/industry	124,800	43,000	8,800	89,100	13,700	47,400
Managers/administrators	119,400	43,200	9,000	108,000	8,200	20,400
Educational institution	39,000	10,200	6,600	35,000	2,100	6,600
Government	16,600	5,800	600	15,500	600	4,000
Business/industry	63,800	27,200	1,900	57,500	5,600	9,900

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Highest degree, occupation, 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						
Other non-S&E occupations	153,300	55,600	72,500	57,300	14,100	64,700
Educational institution	83,900	37,000	64,400	22,500	4,900	22,000
Government	8,400	2,800	1,200	3,200	1,100	5,200
Business/industry	61,000	15,800	6,900	31,600	8,100	37,500

- 1 Includes professional degrees
- 2 Total excludes 49,100 individuals who reported never having worked.

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 or 1995 SESTAT surveys. 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, 1995 SESTAT (Scientists and Engineers Statistical Data System)