

Table B-1. U.S. scientists and engineers, by detailed field and level of highest degree attained: 1995

Field of highest degree	Level of highest degree			
	All degree levels, total ¹	Bachelor's	Master's	Doctorate
All degree fields, total	12,036,200	7,223,300	3,125,600	779,600
S&E degree fields, total	8,908,000	6,657,900	1,613,200	627,200
Sciences, total	6,654,300	4,972,400	1,145,500	526,800
Computer/math sciences, total	1,090,100	790,000	259,700	40,300
Computer/information sciences	544,000	389,400	143,100	11,400
Computer/information sciences, general ...	103,400	73,000	23,300	7,100
Computer science	324,200	230,300	90,000	3,800
Computer systems analysis	29,500	21,100	8,400	100
Information services/systems	73,700	56,700	17,000	S
Other computer/information sciences	13,200	8,300	4,500	300
Mathematical sciences	546,100	400,600	116,600	28,900
Applied mathematics	59,400	45,400	9,700	4,300
Mathematics, general	380,200	309,600	66,000	4,600
Operations research	34,000	13,400	19,700	900
Statistics	33,000	11,800	16,700	4,500
Other mathematical sciences	39,400	20,400	4,500	14,600
Life/related sciences, total	1,392,100	1,023,400	188,000	179,400
Agricultural/food sciences	257,100	204,500	32,500	19,900
Animal sciences	89,600	78,400	6,300	4,700
Food sciences/technology	31,000	23,000	5,500	2,400
Plant sciences	82,000	58,800	13,400	9,800
Other agricultural sciences	54,700	44,300	7,400	3,000
Biological sciences	1,032,200	739,800	137,300	154,200
Biochemistry/biophysics	76,300	39,700	9,200	27,300
Biology, general	491,600	438,900	47,300	5,100
Botany	27,800	12,900	7,200	7,700
Cell/molecular biology	24,200	8,400	5,500	10,300
Ecology	23,100	11,600	7,100	4,300
Genetics, animal/plant	13,600	4,900	3,400	5,200
Microbiology	72,600	49,900	10,700	12,100
Nutritional science	46,000	32,600	11,600	1,800
Pharmacology, human and animal	13,200	4,000	2,100	7,000
Physiology, human and animal	30,200	9,900	9,500	10,300
Zoology, general	83,800	56,400	11,900	15,500
Other biological sciences	129,900	70,800	11,700	47,500
Environmental life sciences	102,700	79,100	18,100	5,200
Environmental science studies	56,500	40,100	13,400	2,700
Forestry services	46,200	39,000	4,700	2,500
Physical/related sciences, total	762,100	485,400	140,000	136,300
Chemistry, except biochemistry	349,300	232,900	45,000	71,400
Earth science, geology and oceanography	174,500	114,500	42,100	17,800
Atmospheric sciences/meteorology	13,200	7,000	3,700	2,500
Earth sciences	19,400	15,000	4,100	300
Geology	111,900	80,000	24,800	7,100
Other geological sciences	21,000	8,100	7,200	5,700
Oceanography	8,900	4,400	2,300	2,200

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

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Field of highest degree	Level of highest degree			
	All degree levels, total ¹	Bachelor's	Master's	Doctorate
All degree fields, total — continued				
Physics/astronomy	171,600	87,200	38,700	45,400
Astronomy/astrophysics	9,800	4,000	2,200	3,600
Physics	161,800	83,200	36,500	41,800
Other physical/related sciences	66,600	50,700	14,200	1,700
Social/related sciences, total	3,410,000	2,673,700	557,700	170,800
Economics	481,900	407,500	50,400	24,000
Agricultural economics	74,100	61,100	10,500	2,600
Economics	407,800	346,500	39,900	21,400
Political/related sciences	630,500	536,200	77,200	17,000
International relations	74,400	46,300	25,900	2,200
Public policy studies	16,100	4,600	10,500	1,100
Political science/government	540,000	485,400	40,900	13,800
Psychology	1,254,400	849,000	309,000	88,600
Educational psychology	76,200	23,600	48,900	2,900
Experimental psychology	31,200	15,900	6,800	8,500
Clinical psychology	99,200	33,900	31,900	31,000
Counseling psychology	181,200	42,300	128,300	9,600
Industrial/organizational psychology	46,700	32,700	11,700	2,300
Psychology, general	678,500	622,400	45,000	8,700
Social psychology	30,500	20,900	3,400	5,900
Other psychology	110,900	57,400	33,100	19,700
Sociology/anthropology	666,200	592,400	49,000	24,800
Anthropology/archeology	99,600	76,300	14,100	9,200
Criminology	35,000	31,000	3,300	700
Sociology	531,600	485,200	31,500	14,800
Other social sciences	377,000	288,500	72,100	16,400
Area/ethnic studies	51,400	39,300	11,200	900
Geography	78,600	61,400	13,400	3,800
History of science	11,900	10,000	1,400	500
Linguistics	39,000	22,900	12,100	4,100
Philosophy of science	19,900	16,700	2,900	300
Other social sciences	176,100	138,200	31,200	6,700
Engineering, total	2,253,600	1,685,500	467,700	100,500
Aerospace/related engineering	99,100	71,000	23,600	4,500
Chemical engineering	173,400	130,500	28,600	14,300
Civil/architectural engineering	370,000	287,300	73,600	9,100
Architectural engineering	45,900	39,700	6,000	200
Civil engineering	324,100	247,500	67,700	8,900
Electrical/related engineering	663,700	485,900	151,800	26,000
Computer/systems engineering	58,400	34,100	21,200	3,100
Other electrical/related engineering	605,300	451,800	130,600	22,900
Industrial engineering	129,800	103,800	23,200	2,800
Mechanical engineering	461,400	377,400	72,200	11,800

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

Table B-1. U.S. scientists and engineers, by detailed field and level of highest degree attained: 1995

Field of highest degree	Level of highest degree			
	All degree levels, total ¹	Bachelor's	Master's	Doctorate
All degree fields, total — continued				
Other engineering	356,300	229,600	94,700	31,900
Agricultural engineering	23,100	18,000	3,400	1,800
Bioengineering/biomedical engineering	13,400	6,500	4,500	2,300
Engineering, general	39,800	33,100	6,100	700
Engineering sci, mechanical/physics	44,600	29,300	9,300	6,000
Environmental engineering	30,100	9,900	18,200	1,900
Geophysical engineering	3,700	3,200	500	S
Materials engineering	37,700	20,800	10,600	6,300
Metallurgical engineering	31,600	20,100	7,800	3,700
Mining/minerals engineering	11,300	9,400	1,600	300
Naval architecture/marine engineering	21,800	19,500	2,200	100
Nuclear engineering	16,800	6,400	7,700	2,700
Petroleum engineering	22,700	20,100	2,200	400
Other engineering	59,700	33,300	20,700	5,800
Non-S&E degrees, total	3,128,200	565,400	1,512,400	152,400
Business/management	752,800	177,000	552,400	19,000
Education	526,200	61,300	391,900	66,500
Health	604,700	63,400	94,300	—
Other non-S&E	1,244,500	263,700	473,800	66,900

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 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.

KEY: S = Suppressed for reasons of confidentiality and/or data reliability
 — = Not available because PhDs in health related fields are considered as S&E under Biological sciences

SOURCE: National Science Foundation/Science Resources Studies Division, 1995 SESTAT (Scientists and Engineers Statistical Data System)