

TABLE 7. U.S. scientists and engineers, by field and level of highest degree: 2006

Field of highest degree	Level of highest degree			
	All degree levels ^a	Bachelor's	Master's	Doctorate
All degree fields	22,630,000	13,228,000	6,411,000	1,018,000
S&E fields	12,436,000	9,173,000	2,438,000	802,000
Sciences	9,537,000	7,098,000	1,758,000	659,000
Biological/agricultural/environmental life sciences	1,933,000	1,448,000	263,000	223,000
Agricultural/food sciences	312,000	254,000	35,000	22,000
Animal sciences	122,000	114,000	4,000	4,000
Food sciences/technology	40,000	29,000	8,000	3,000
Plant sciences	88,000	63,000	14,000	11,000
Other agricultural sciences	62,000	48,000	10,000	4,000
Biological sciences	1,429,000	1,048,000	187,000	193,000
Biochemistry/biophysics	127,000	72,000	15,000	40,000
Biology, general	666,000	618,000	41,000	8,000
Botany	39,000	24,000	8,000	7,000
Cell/molecular biology	68,000	31,000	11,000	26,000
Ecology	62,000	33,000	21,000	8,000
Genetics, animal/plant	23,000	8,000	5,000	9,000
Microbiological sciences/immunology	114,000	77,000	20,000	18,000
Nutritional science	47,000	31,000	14,000	3,000
Pharmacology, human/animal	23,000	6,000	6,000	11,000
Physiology/pathology/human/animal	52,000	29,000	9,000	14,000
Zoology, general	90,000	57,000	16,000	17,000
Other biological sciences	119,000	64,000	21,000	34,000
Environmental life sciences	192,000	145,000	40,000	8,000
Environmental science studies	112,000	83,000	25,000	3,000
Forestry sciences	80,000	62,000	14,000	4,000
Computer/mathematical sciences	1,864,000	1,327,000	481,000	57,000
Computer/information sciences	1,235,000	867,000	348,000	20,000
Computer/information sciences	224,000	142,000	68,000	14,000
Computer science	685,000	488,000	192,000	5,000
Computer systems analysis	42,000	28,000	14,000	S
Information services/systems	206,000	155,000	50,000	S
Other computer/information sciences	78,000	53,000	24,000	S
Mathematics/statistics	630,000	460,000	133,000	37,000
Applied mathematics	113,000	83,000	22,000	7,000
Mathematics, general	392,000	326,000	60,000	5,000
Operations research	30,000	10,000	18,000	2,000
Statistics	53,000	22,000	25,000	7,000
Other mathematics	42,000	18,000	7,000	16,000
Physical/related sciences	859,000	538,000	157,000	164,000
Chemistry, except biochemistry	407,000	268,000	53,000	86,000
Earth/atmospheric/ocean sciences	209,000	131,000	56,000	21,000
Atmospheric sciences/meteorology	24,000	13,000	8,000	3,000
Earth sciences	22,000	16,000	5,000	S
Geology	130,000	90,000	32,000	8,000
Other geological sciences	23,000	7,000	9,000	7,000
Oceanography	11,000	5,000	3,000	3,000
Physics/astronomy	192,000	95,000	42,000	54,000
Astronomy/astrophysics	11,000	2,000	3,000	5,000
Physics	181,000	93,000	39,000	49,000
Other physical sciences	51,000	43,000	6,000	3,000

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	All degree levels ^a	Bachelor's	Master's	Doctorate
Social/related sciences	4,880,000	3,786,000	858,000	214,000
Economics	712,000	604,000	81,000	27,000
Agricultural economics	102,000	87,000	12,000	3,000
Economics	611,000	517,000	69,000	24,000
Political/related sciences	867,000	714,000	130,000	23,000
Public policy studies	48,000	11,000	35,000	3,000
International relations	125,000	85,000	37,000	3,000
Political science/government	694,000	618,000	58,000	18,000
Psychology	1,813,000	1,204,000	474,000	114,000
Educational psychology	132,000	43,000	85,000	4,000
Clinical psychology	155,000	49,000	55,000	40,000
Counseling psychology	311,000	71,000	223,000	13,000
Experimental psychology	43,000	30,000	4,000	9,000
Psychology, general	889,000	836,000	41,000	8,000
Industrial/organizational psychology	65,000	37,000	22,000	4,000
Social psychology	59,000	46,000	5,000	7,000
Other psychology	159,000	92,000	38,000	28,000
Sociology/anthropology	969,000	867,000	71,000	30,000
Anthropology/archeology	150,000	116,000	23,000	12,000
Criminology	87,000	78,000	8,000	1,000
Sociology	731,000	673,000	40,000	17,000
Other social sciences	519,000	398,000	101,000	20,000
Area/ethnic studies	107,000	81,000	24,000	1,000
Linguistics	38,000	23,000	11,000	5,000
Philosophy of science	26,000	24,000	S	S
Geography	127,000	101,000	21,000	5,000
History of science	21,000	17,000	S	1,000
Other social sciences	200,000	152,000	40,000	8,000
Engineering	2,899,000	2,075,000	679,000	144,000
Aerospace/related engineering	98,000	69,000	22,000	7,000
Chemical engineering	203,000	150,000	32,000	21,000
Civil/architectural engineering	446,000	334,000	100,000	12,000
Architectural engineering	40,000	31,000	9,000	S
Civil engineering	406,000	303,000	91,000	12,000
Electrical/computer engineering	932,000	640,000	251,000	41,000
Computer/systems engineering	185,000	111,000	69,000	5,000
Other electrical/related engineering	746,000	530,000	181,000	36,000
Industrial engineering	186,000	140,000	42,000	4,000
Mechanical engineering	609,000	489,000	102,000	19,000
Other engineering	425,000	253,000	131,000	41,000
Agricultural engineering	29,000	23,000	4,000	2,000
Bioengineering/biomedical engineering	34,000	16,000	13,000	5,000
Engineering science, mechanical/physics	40,000	24,000	10,000	6,000
Environmental engineering	46,000	18,000	26,000	2,000
Engineering, general	50,000	39,000	10,000	2,000
Geophysical/geological engineering	8,000	5,000	2,000	S
Materials engineering	47,000	23,000	14,000	11,000
Metallurgical engineering	25,000	16,000	5,000	4,000
Mining/minerals engineering	19,000	15,000	4,000	1,000
Naval architecture/marine engineering	16,000	14,000	2,000	S
Nuclear engineering	14,000	5,000	5,000	3,000

TABLE 7. U.S. scientists and engineers, by field and level of highest degree: 2006

Field of highest degree	Level of highest degree			
	All degree levels ^a	Bachelor's	Master's	Doctorate
Petroleum engineering	23,000	19,000	4,000	*
Other engineering	74,000	36,000	32,000	6,000
S&E-related fields	5,389,000	2,890,000	1,193,000	65,000
Health	4,213,000	2,100,000	828,000	45,000
Audiology/speech pathology	197,000	58,000	133,000	4,000
Health services administration	188,000	81,000	106,000	1,000
Health/medical assistants	12,000	6,000	6,000	S
Health/medical technologies	144,000	134,000	8,000	S
Medical preparatory programs	35,000	33,000	2,000	S
Medicine	1,247,000	47,000	18,000	10,000
Nursing	1,307,000	1,076,000	224,000	7,000
Pharmacy	272,000	200,000	12,000	4,000
Physical therapy/other rehabilitation/therapeutic services	379,000	239,000	130,000	2,000
Public health	143,000	43,000	90,000	9,000
Other health/medical sciences	289,000	182,000	98,000	7,000
Science/mathematics teacher education	437,000	218,000	208,000	11,000
Computer teacher education	42,000	4,000	36,000	S
Mathematics teacher education	143,000	70,000	68,000	5,000
Science teacher education	130,000	61,000	65,000	4,000
Social science teacher education	122,000	82,000	39,000	1,000
Technology/technical fields	375,000	313,000	58,000	5,000
Computer programming	66,000	55,000	10,000	S
Data processing	7,000	7,000	S	S
Electrical/electronic technologies	60,000	54,000	6,000	1,000
Industrial production technologies	116,000	101,000	14,000	S
Mechanical engineering-related technologies	43,000	36,000	6,000	S
Other engineering-related technologies	83,000	60,000	21,000	2,000
Other S&E-related fields	364,000	260,000	99,000	4,000
Architecture/Environmental Design	353,000	250,000	98,000	4,000
Actuarial science	11,000	10,000	S	S
Non-S&E fields	4,805,000	1,165,000	2,781,000	150,000
Arts/humanities	376,000	240,000	116,000	20,000
Education, except science/mathematics teacher education	1,111,000	204,000	835,000	69,000
Management/administration	1,570,000	444,000	1,109,000	16,000
Sales/marketing	168,000	55,000	111,000	2,000
Social services/related	392,000	41,000	316,000	21,000
Other non-S&E fields	1,188,000	180,000	295,000	22,000

* = estimate < 500; S = suppressed for reliability or confidentiality.

S&E = science and engineering.

^a Total includes professional degrees not broken out separately.

NOTES: Scientists and engineers include any person who has ever received a bachelor's or higher degree in a science or engineering (S&E) or S&E-related field through 2005, plus any person holding a non-S&E bachelor's or higher degree who was employed in a S&E or S&E-related occupation in 2003. See <http://sestat.nsf.gov/docs/ed03maj.html> for a detailed description of the educational field classification. Numbers are rounded to the nearest thousand. Detail may not add to total because of rounding.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Scientists and Engineers Statistical Data System (SESTAT): 2006.