TABLE S3-13

Employed S&E highest degree holders, by sex and field of degree: 2017

(Number and percent)

Field of S&E highest degree	Total	Female		Male	
		Number	Percent	Number	Percent
All S&E highest degree	14,501,000	5,771,000	39.8	8,730,000	60.2
Computer and mathematical sciences	2,567,000	757,000	29.5	1,810,000	70.5
Computer and information sciences	2,017,000	529,000	26.2	1,487,000	73.7
Computer and information sciences, general	362,000	107,000	29.6	256,000	70.7
Computer sciences	1,065,000	248,000	23.3	817,000	76.7
Computer systems analysis	50,000	13,000	26.0	37,000	74.0
Information services and systems	418,000	119,000	28.5	299,000	71.5
Other computer and information sciences	122,000	42,000	34.4	79,000	64.8
Mathematics and statistics	550,000	228,000	41.5	322,000	58.5
Applied mathematics	58,000	24,000	41.4	34,000	58.6
Mathematics, general	371,000	161,000	43.4	211,000	56.9
Operations research	34,000	9,000	26.5	25,000	73.5
Statistics	64,000	30,000	46.9	34,000	53.1
Other mathematics	23,000	4,000	s	19,000	82.6
Biological, agricultural, and environmental life sciences	2,290,000	1,081,000	47.2	1,209,000	52.8
Agricultural and food sciences	286,000	117,000	40.9	169,000	59.1
Animal sciences	104,000	56,000	53.8	48,000	46.2
Food sciences and technology	33,000	21,000	63.6	12,000	36.4
Plant sciences	99,000	28,000	28.3	72,000	72.7
Other agricultural sciences	49,000	13,000	26.5	36,000	73.5
Biological sciences	1,763,000	887,000	50.3	876,000	49.7
Biochemistry and biophysics	131,000	56,000	42.7	75,000	57.3
Biology, general	861,000	440,000	51.1	421,000	48.9
Botany	17,000	5,000	29.4	12,000	70.6
Cell and molecular biology	109,000	45,000	41.3	63,000	57.8
Ecology	115,000	41,000	35.7	74,000	64.3
Genetics, animal and plant	26,000	13,000	50.0	12,000	46.2
Microbiological sciences and immunology	125,000	71,000	56.8	54,000	43.2
Nutritional sciences	88,000	84,000	95.5	4,000	4.5
Pharmacology, human and animal	24,000	11,000	45.8	12,000	50.0
Physiology and pathology, human and animal	62,000	34,000	54.8	28,000	45.2
Zoology, general	72,000	30,000	41.7	42,000	58.3
Other biological sciences	135,000	56,000	41.5	79,000	58.5
Environmental life sciences	241,000	77,000	32.0	164,000	68.0
Environmental science or studies	182,000	68,000	37.4	113,000	62.1
Forestry sciences	59,000	8,000	13.6	51,000	86.4
Physical and related sciences	814,000	257,000	31.6	557,000	68.4
Chemistry, except biochemistry	349,000	144,000	41.3	204,000	58.5
Earth, atmospheric, and ocean sciences	234,000	75,000	32.1	159,000	67.9
Atmospheric sciences and meteorology	28,000	13,000	46.4	15,000	53.6
Earth sciences	63,000	22,000	34.9	42,000	66.7
Geology	97,000	27,000	27.8	70,000	72.2
Geological sciences, other	36,000	11,000	30.6	25,000	69.4
Oceanography	10,000	3,000	30.0	7,000	70.0
Physics and astronomy	202,000	30,000	14.9	172,000	85.1
Astronomy and astrophysics	17,000	4,000	23.5	13,000	76.5
Physics	186,000	26,000	14.0	159,000	85.5
Other physical sciences	29,000	7,000	24.1	22,000	75.9
Social and related sciences	5,336,000	3,106,000	58.2	2,230,000	41.8

TABLE S3-13

Employed S&E highest degree holders, by sex and field of degree: 2017

(Number and percent)

Field of S&E highest degree	Total	Female		Male	
		Number	Percent	Number	Percent
Economics	870,000	252,000	29.0	618,000	71.0
Agricultural economics	57,000	9,000	15.8	47,000	82.5
Economics	814,000	243,000	29.9	571,000	70.1
Political and related sciences	994,000	461,000	46.4	533,000	53.6
Public policy studies	66,000	40,000	60.6	26,000	39.4
International relations	190,000	101,000	53.2	89,000	46.8
Political science and government	739,000	320,000	43.3	418,000	56.6
Psychology	2,034,000	1,449,000	71.2	585,000	28.8
Educational psychology	114,000	93,000	81.6	22,000	19.3
Clinical psychology	239,000	152,000	63.6	87,000	36.4
Counseling psychology	310,000	237,000	76.5	73,000	23.5
Experimental psychology	39,000	15,000	38.5	24,000	61.5
General psychology	923,000	667,000	72.3	256,000	27.7
Industrial/ organizational psychology	82,000	55,000	67.1	27,000	32.9
Social psychology	118,000	67,000	56.8	52,000	44.1
Other psychology	208,000	164,000	78.8	44,000	21.2
Sociology and anthropology	838,000	580,000	69.2	258,000	30.8
Anthropology and archaeology	191,000	130,000	68.1	60,000	31.4
Criminology	78,000	46,000	59.0	31,000	39.7
Sociology	570,000	403,000	70.7	166,000	29.1
Other social sciences	600,000	364,000	60.7	236,000	39.3
Area and ethnic studies	133,000	84,000	63.2	49,000	36.8
Linguistics	79,000	63,000	79.7	16,000	20.3
Philosophy of science	29,000	28,000	96.6	2,000	s
Geography	137,000	51,000	37.2	86,000	62.8
History of science	6,000	4,000	66.7	s	s
Other social sciences	216,000	135,000	62.5	82,000	38.0
Engineering	3,494,000	570,000	16.3	2,924,000	83.7
Aerospace, aeronautical, and astronautical engineering	127,000	19,000	15.0	108,000	85.0
Chemical engineering	220,000	59,000	26.8	161,000	73.2
Civil and architectural engineering	501,000	81,000	16.2	420,000	83.8
Architectural engineering	25,000	4,000	16.0	21,000	84.0
Civil engineering	476,000	77,000	16.2	399,000	83.8
Electrical and computer engineering	1,264,000	170,000	13.4	1,094,000	86.6
Computer and systems engineering	350,000	65,000	18.6	285,000	81.4
Electrical, electronics, and communications engineering	914,000	105,000	11.5	809,000	88.5
Industrial and manufacturing engineering	214,000	53,000	24.8	161,000	75.2
Mechanical engineering	689,000	61,000	8.9	628,000	91.1
Other engineering	479,000	128,000	26.7	351,000	73.3
Agricultural engineering	30,000	s	s	16,000	53.3
Bioengineering and biomedical engineering	58,000	26,000	44.8	32,000	55.2
Engineering sciences, mechanics, and physics	33,000	7,000	21.2	26,000	78.8
Environmental engineering	66,000	23,000	34.8	43,000	65.2
Engineering, general	36,000	9,000	25.0	27,000	75.0
Geophysical and geological engineering	13,000	2,000	15.4	11,000	84.6
Materials engineering, including ceramics and textiles	71,000	13,000	18.3	57,000	80.3
Metallurgical engineering	9,000	s	s	7,000	77.8
Mining and minerals engineering	11,000	s	s	10,000	90.9
Naval architecture and marine engineering	11,000	s	s	11,000	100.0

TABLE S3-13

Employed S&E highest degree holders, by sex and field of degree: 2017

(Number and percent)

Field of S&E highest degree	Total	Female		Male	
		Number	Percent	Number	Percent
Nuclear engineering	20,000	3,000	15.0	18,000	90.0
Petroleum engineering	23,000	8,000	34.8	15,000	65.2
Other engineering	98,000	19,000	19.4	79,000	80.6

s = suppressed for reasons of confidentiality and/or reliability.

Note(s)

Detail may not add to total because of rounding. Numbers are rounded to the nearest 1,000. Percentages are based on rounded numbers.

Source(s)

National Center for Science and Engineering Statistics, National Science Foundation, National Survey of College Graduates (NSCG), 2017.

Science and Engineering Indicators