

APPENDIX TABLE 3-13 
**Employed S&E highest degree holders, by sex and field of degree: 2015**

(Number and percent)

Field of S&E highest degree	Total	Female		Male	
		Number	Percent	Number	Percent
All S&E highest degree	13,497,000	5,376,000	39.8	8,121,000	60.2
Computer and mathematical sciences	2,346,000	663,000	28.3	1,683,000	71.7
Computer and information sciences	1,826,000	457,000	25.0	1,370,000	75.0
Computer and information sciences, general	340,000	99,000	29.1	241,000	70.9
Computer science	968,000	208,000	21.5	761,000	78.6
Computer systems analysis	49,000	13,000	26.5	36,000	73.5
Information services and systems	371,000	108,000	29.1	264,000	71.2
Other computer and information sciences	97,000	29,000	29.9	68,000	70.1
Mathematics and statistics	520,000	206,000	39.6	314,000	60.4
Applied mathematics	49,000	21,000	42.9	29,000	59.2
Mathematics, general	363,000	147,000	40.5	216,000	59.5
Operations research	34,000	7,000	20.6	27,000	79.4
Statistics	58,000	27,000	46.6	31,000	53.4
Other mathematics	16,000	s	s	11,000	68.8
Biological, agricultural, and environmental life sciences	2,116,000	1,072,000	50.7	1,044,000	49.3
Agricultural and food sciences	291,000	102,000	35.1	189,000	64.9
Animal sciences	102,000	41,000	40.2	61,000	59.8
Food sciences and technology	35,000	17,000	48.6	17,000	48.6
Plant sciences	92,000	38,000	41.3	53,000	57.6
Other agricultural sciences	62,000	5,000	8.1	57,000	91.9
Biological sciences	1,632,000	896,000	54.9	736,000	45.1
Biochemistry and biophysics	139,000	71,000	51.1	68,000	48.9
Biology, general	807,000	451,000	55.9	356,000	44.1
Botany	18,000	8,000	44.4	10,000	55.6



Field of S&E highest degree	Total	Female		Male	
		Number	Percent	Number	Percent
Cell and molecular biology	95,000	44,000	46.3	51,000	53.7
Ecology	87,000	34,000	39.1	53,000	60.9
Genetics, animal and plant	20,000	8,000	40.0	13,000	65.0
Microbiological sciences and immunology	118,000	73,000	61.9	46,000	39.0
Nutritional sciences	71,000	62,000	87.3	9,000	12.7
Pharmacology, human and animal	26,000	12,000	46.2	14,000	53.8
Physiology and pathology, human and animal	58,000	25,000	43.1	33,000	56.9
Zoology, general	56,000	21,000	37.5	35,000	62.5
Other biological sciences	135,000	87,000	64.4	48,000	35.6
Environmental life sciences	194,000	74,000	38.1	120,000	61.9
Environmental science or studies	157,000	68,000	43.3	90,000	57.3
Forestry sciences	36,000	6,000	16.7	30,000	83.3
Physical and related sciences	789,000	270,000	34.2	519,000	65.8
Chemistry, except biochemistry	370,000	153,000	41.4	217,000	58.6
Earth, atmospheric, and ocean sciences	218,000	82,000	37.6	136,000	62.4
Atmospheric sciences and meteorology	35,000	17,000	48.6	18,000	51.4
Earth sciences	45,000	21,000	46.7	23,000	51.1
Geology	98,000	32,000	32.7	66,000	67.3
Geological sciences, other	32,000	9,000	28.1	23,000	71.9
Oceanography	9,000	3,000	33.3	6,000	66.7
Physics and astronomy	187,000	30,000	16.0	157,000	84.0
Astronomy and astrophysics	14,000	1,000	7.1	13,000	92.9
Physics	173,000	28,000	16.2	144,000	83.2
Other physical sciences	14,000	5,000	35.7	9,000	64.3
Social and related sciences	5,056,000	2,881,000	57.0	2,175,000	43.0
Economics	817,000	239,000	29.3	578,000	70.7



Field of S&E highest degree	Total	Female		Male	
		Number	Percent	Number	Percent
Agricultural economics	63,000	17,000	27.0	46,000	73.0
Economics	754,000	222,000	29.4	533,000	70.7
Political and related sciences	908,000	424,000	46.7	485,000	53.4
Public policy studies	57,000	36,000	63.2	21,000	36.8
International relations	198,000	122,000	61.6	75,000	37.9
Political science and government	653,000	266,000	40.7	388,000	59.4
Psychology	1,967,000	1,364,000	69.3	602,000	30.6
Educational psychology	124,000	95,000	76.6	30,000	24.2
Clinical psychology	217,000	130,000	59.9	87,000	40.1
Counseling psychology	289,000	211,000	73.0	78,000	27.0
Experimental psychology	48,000	20,000	41.7	28,000	58.3
General psychology	896,000	631,000	70.4	265,000	29.6
Industrial/ organizational psychology	74,000	51,000	68.9	23,000	31.1
Social psychology	102,000	62,000	60.8	40,000	39.2
Other psychology	217,000	166,000	76.5	51,000	23.5
Sociology and anthropology	789,000	513,000	65.0	277,000	35.1
Anthropology and archaeology	156,000	100,000	64.1	57,000	36.5
Criminology	89,000	47,000	52.8	42,000	47.2
Sociology	544,000	366,000	67.3	178,000	32.7
Other social sciences	574,000	341,000	59.4	233,000	40.6
Area and ethnic studies	117,000	84,000	71.8	33,000	28.2
Linguistics	84,000	68,000	81.0	16,000	19.0
Philosophy of science	15,000	s	s	6,000	s
Geography	140,000	44,000	31.4	96,000	68.6
History of science	6,000	4,000	66.7	s	s
Other social sciences	212,000	133,000	62.7	79,000	37.3



Field of S&E highest degree	Total	Female		Male	
		Number	Percent	Number	Percent
Engineering	3,190,000	490,000	15.4	2,700,000	84.6
Aerospace, aeronautical, and astronautical engineering	135,000	19,000	14.1	116,000	85.9
Chemical engineering	211,000	46,000	21.8	165,000	78.2
Civil and architectural engineering	451,000	68,000	15.1	382,000	84.7
Architectural engineering	27,000	4,000	14.8	23,000	85.2
Civil engineering	424,000	64,000	15.1	359,000	84.7
Electrical and computer engineering	1,112,000	138,000	12.4	974,000	87.6
Computer and systems engineering	297,000	44,000	14.8	253,000	85.2
Electrical, electronics, and communications engineering	815,000	94,000	11.5	721,000	88.5
Industrial and manufacturing engineering	201,000	59,000	29.4	141,000	70.1
Mechanical engineering	659,000	67,000	10.2	592,000	89.8
Other engineering	421,000	92,000	21.9	329,000	78.1
Agricultural engineering	26,000	5,000	19.2	22,000	84.6
Bioengineering and biomedical engineering	49,000	19,000	38.8	30,000	61.2
Engineering sciences, mechanics, and physics	29,000	4,000	13.8	26,000	89.7
Environmental engineering	53,000	15,000	28.3	37,000	69.8
Engineering, general	23,000	5,000	21.7	18,000	78.3
Geophysical and geological engineering	14,000	2,000	14.3	12,000	85.7
Materials engineering, including ceramics and textiles	52,000	12,000	23.1	40,000	76.9
Metallurgical engineering	10,000	s	s	7,000	70.0
Mining and minerals engineering	8,000	s	s	7,000	87.5
Naval architecture and marine engineering	15,000	s	s	14,000	93.3
Nuclear engineering	19,000	2,000	10.5	16,000	84.2
Petroleum engineering	28,000	7,000	25.0	21,000	75.0
Other engineering	96,000	16,000	16.7	80,000	83.3

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 Science Foundation, National Center for Science and Engineering Statistics, National Survey of College Graduates (NSCG) (2015), <https://www.nsf.gov/statistics/srvygrads/>.

*Science and Engineering Indicators 2018*