

Appendix table 3-17

Employed S&E highest degree holders, by race, ethnicity, and field of degree: 2010

Highest degree field	Total	Asian		American Indian or Alaska Native		Black		Hispanic		White		Native Hawaiian or Other Pacific Islander		More than one race	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
All S&E degrees	11,385,000	1,583,000	13.9	28,000	0.2	650,000	5.7	776,000	6.8	8,135,000	71.5	39,000	0.3	174,000	1.5
Computer and mathematical sciences	1,886,000	428,000	22.7	3,000	0.2	145,000	7.7	104,000	5.5	1,180,000	62.6	4,000	0.2	21,000	1.1
Computer and information sciences	1,393,000	347,000	24.9	3,000	0.2	121,000	8.7	85,000	6.1	818,000	58.7	3,000	0.2	17,000	1.2
Computer and information sciences, general	277,000	69,000	24.9	S	S	27,000	9.7	16,000	5.8	162,000	58.5	S	S	3,000	1.1
Computer science	742,000	229,000	30.9	S	S	38,000	5.1	46,000	6.2	419,000	56.5	1,000	0.1	9,000	1.2
Computer systems analysis	31,000	6,000	19.4	S	S	2,000	6.5	3,000	9.7	20,000	64.5	S	S	S	S
Information services and systems	261,000	31,000	11.9	S	S	41,000	15.7	16,000	6.1	167,000	64.0	S	S	3,000	1.1
Other computer and information sciences	82,000	13,000	15.9	S	S	14,000	17.1	4,000	4.9	51,000	62.2	S	S	1,000	1.2
Mathematics and statistics	492,000	81,000	16.5	S	S	24,000	4.9	19,000	3.9	362,000	73.6	1,000	0.2	5,000	1.0
Applied mathematics	65,000	13,000	20.0	S	S	4,000	6.2	2,000	3.1	45,000	69.2	S	S	S	S
Mathematics, general	321,000	41,000	12.8	S	S	17,000	5.3	14,000	4.4	245,000	76.3	S	S	3,000	0.9
Operations research	34,000	6,000	17.6	S	S	1,000	2.9	1,000	2.9	25,000	73.5	S	S	S	S
Statistics	46,000	18,000	39.1	S	S	1,000	2.2	1,000	2.2	25,000	54.3	S	S	1,000	2.2
Other mathematics	25,000	3,000	12.0	S	S	S	S	1,000	4.0	21,000	84.0	S	S	S	S
Biological, agricultural, and environmental life sciences	1,764,000	211,000	12.0	6,000	0.3	64,000	3.6	110,000	6.2	1,336,000	75.7	S	S	25,000	1.4
Agricultural and food sciences	301,000	22,000	7.3	S	S	6,000	2.0	20,000	6.6	247,000	82.1	S	S	4,000	1.3
Animal sciences	102,000	3,000	2.9	S	S	2,000	2.0	5,000	4.9	90,000	88.2	S	S	S	S
Food sciences and technology	39,000	7,000	17.9	S	S	1,000	2.6	S	S	21,000	53.8	S	S	S	S
Plant sciences	99,000	6,000	6.1	S	S	2,000	2.0	5,000	5.1	84,000	84.8	S	S	2,000	2.0
Other agricultural sciences	62,000	6,000	9.7	S	S	S	S	S	S	53,000	85.5	S	S	S	S
Biological sciences	1,299,000	181,000	13.9	S	S	56,000	4.3	83,000	6.4	946,000	72.8	S	S	19,000	1.5
Biochemistry and biophysics	118,000	31,000	26.3	S	S	2,000	1.7	5,000	4.2	78,000	66.1	S	S	2,000	1.7
Biology, general	591,000	57,000	9.6	S	S	38,000	6.4	43,000	7.3	432,000	73.1	S	S	10,000	1.7
Botany	22,000	4,000	18.2	S	S	S	S	S	S	17,000	77.3	S	S	S	S
Cell and molecular biology	74,000	16,000	21.6	S	S	S	S	4,000	5.4	50,000	67.6	S	S	1,000	1.4
Ecology	66,000	2,000	3.0	S	S	S	S	5,000	7.6	57,000	86.4	S	S	S	S
Genetics, animal and plant	21,000	3,000	14.3	S	S	S	S	1,000	4.8	16,000	76.2	S	S	S	S
Microbiological sciences and immunology	96,000	22,000	22.9	S	S	4,000	4.2	7,000	7.3	62,000	64.6	S	S	S	S
Nutritional sciences	58,000	4,000	6.9	S	S	1,000	1.7	5,000	8.6	47,000	81.0	S	S	S	S
Pharmacology, human and animal	22,000	7,000	31.8	S	S	1,000	4.5	S	S	14,000	63.6	S	S	S	S
Physiology and pathology, human and animal	55,000	6,000	10.9	S	S	1,000	1.8	5,000	9.1	42,000	76.4	S	S	1,000	1.8
Zoology, general	68,000	5,000	7.4	S	S	1,000	1.5	1,000	1.5	57,000	83.8	S	S	S	S
Other biological sciences	107,000	23,000	21.5	S	S	3,000	2.8	5,000	4.7	74,000	69.2	S	S	2,000	1.9
Environmental life sciences	164,000	8,000	4.9	S	S	2,000	1.2	7,000	4.3	142,000	86.6	S	S	3,000	1.8
Environmental science or studies	106,000	6,000	5.7	S	S	2,000	1.9	6,000	5.7	90,000	84.9	S	S	2,000	1.9
Forestry sciences	57,000	2,000	3.5	S	S	1,000	1.8	S	S	52,000	91.2	S	S	S	S
Physical and related sciences	693,000	105,000	15.2	2,000	0.3	25,000	3.6	31,000	4.5	522,000	75.3	1,000	0.1	8,000	1.2
Chemistry, except biochemistry	312,000	63,000	20.2	S	S	15,000	4.8	14,000	4.5	215,000	68.9	S	S	3,000	1.0
Earth, atmospheric, and ocean sciences	184,000	8,000	4.3	S	S	2,000	1.1	6,000	3.3	165,000	89.7	S	S	2,000	1.1
Atmospheric sciences and meteorology	28,000	2,000	7.1	S	S	S	S	S	S	25,000	89.3	S	S	S	S

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Highest degree field	Total	Asian		American Indian or Alaska Native		Black		Hispanic		White		Native Hawaiian or Other Pacific Islander		More than one race	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Earth sciences	32,000	1,000	S	S	S	S	S	1,000	3.1	29,000	90.6	S	S	S	S
Geology	92,000	3,000	3.3	S	S	1,000	1.1	4,000	4.3	84,000	91.3	S	S	1,000	1.1
Geological sciences, other	21,000	2,000	9.5	S	S	S	S	1,000	4.8	18,000	85.7	S	S	S	S
Oceanography	10,000	S	S	S	S	S	S	1,000	10.0	9,000	90.0	S	S	S	S
Physics and astronomy	166,000	31,000	18.7	S	S	5,000	3.0	8,000	4.8	120,000	72.3	S	S	2,000	1.2
Astronomy and astrophysics	14,000	1,000	7.1	S	S	S	S	S	S	12,000	85.7	S	S	S	S
Physics	152,000	30,000	19.7	S	S	5,000	3.3	8,000	5.3	108,000	71.1	S	S	2,000	1.3
Other physical sciences	30,000	3,000	10.0	S	S	S	S	2,000	6.7	21,000	70.0	S	S	1,000	3.3
Other physical sciences	27,000	3,000	11.1	S	S	S	S	S	S	19,000	70.4	S	S	1,000	3.7
Science, unclassified	3,000	S	S	S	S	S	S	S	S	S	S	S	S	S	S
Social and related sciences	4,363,000	285,000	6.5	12,000	0.3	330,000	7.6	334,000	7.7	3,305,000	75.8	13,000	0.3	85,000	1.9
Economics	729,000	120,000	16.5	S	S	27,000	3.7	46,000	6.3	520,000	71.3	3,000	0.4	11,000	1.5
Agricultural economics	72,000	2,000	2.8	S	S	1,000	1.4	2,000	2.8	65,000	90.3	S	S	S	S
Economics	657,000	118,000	18.0	S	S	26,000	4.0	44,000	6.7	455,000	69.3	3,000	0.5	11,000	1.7
Political and related sciences	729,000	38,000	5.2	1,000	0.1	50,000	6.9	44,000	6.0	584,000	80.1	S	S	12,000	1.6
Public policy studies	43,000	3,000	7.0	S	S	4,000	9.3	3,000	7.0	32,000	74.4	S	S	S	S
International relations	137,000	7,000	5.1	S	S	4,000	2.9	10,000	7.3	113,000	82.5	S	S	3,000	2.2
Political science and government	549,000	28,000	5.1	1,000	0.2	42,000	7.7	30,000	5.5	438,000	79.8	S	S	9,000	1.6
Psychology	1,661,000	64,000	3.9	5,000	0.3	138,000	8.3	143,000	8.6	1,274,000	76.7	6,000	0.4	31,000	1.9
Educational psychology	98,000	3,000	3.1	S	S	10,000	10.2	7,000	7.1	77,000	78.6	S	S	2,000	2.0
Clinical psychology	153,000	6,000	3.9	S	S	8,000	5.2	19,000	12.4	115,000	75.2	S	S	4,000	2.6
Counseling psychology	237,000	5,000	2.1	S	S	25,000	10.5	16,000	6.8	186,000	78.5	S	S	4,000	1.7
Experimental psychology	39,000	S	S	S	S	S	S	1,000	2.6	34,000	87.2	S	S	S	S
General psychology	883,000	38,000	4.3	3,000	0.3	69,000	7.8	81,000	9.2	676,000	76.6	4,000	0.5	13,000	1.5
Industrial/organizational psychology	44,000	2,000	4.5	S	S	4,000	9.1	4,000	9.1	33,000	75.0	S	S	S	S
Social psychology	72,000	2,000	2.8	S	S	4,000	5.6	7,000	9.7	53,000	73.6	S	S	S	S
Other psychology	135,000	5,000	3.7	S	S	17,000	12.6	9,000	6.7	101,000	74.8	S	S	2,000	1.5
Sociology and anthropology	738,000	37,000	5.0	2,000	0.3	74,000	10.0	69,000	9.3	532,000	72.1	1,000	0.1	22,000	3.0
Anthropology and archaeology	134,000	5,000	3.7	S	S	2,000	1.5	8,000	6.0	107,000	79.9	S	S	10,000	7.5
Criminology	68,000	S	S	S	S	7,000	10.3	10,000	14.7	43,000	63.2	S	S	1,000	1.5
Sociology	536,000	26,000	4.9	S	S	65,000	12.1	51,000	9.5	381,000	71.1	1,000	0.2	11,000	2.1
Other social sciences	507,000	27,000	5.3	2,000	0.4	41,000	8.1	32,000	6.3	395,000	77.9	1,000	0.2	9,000	1.8
Area and ethnic studies	91,000	9,000	9.9	S	S	9,000	9.9	9,000	9.9	57,000	62.6	S	S	5,000	5.5
Linguistics	57,000	4,000	7.0	S	S	S	S	5,000	8.8	45,000	78.9	S	S	1,000	S
Philosophy of science	17,000	S	S	S	S	1,000	S	S	S	12,000	70.6	S	S	S	S
Geography	113,000	3,000	2.7	S	S	1,000	0.9	5,000	4.4	102,000	90.3	S	S	1,000	0.9
History of science	12,000	S	S	S	S	S	S	S	S	10,000	83.3	S	S	S	S
Other social sciences	217,000	7,000	3.2	S	S	26,000	12.0	11,000	5.1	169,000	77.9	1,000	0.5	2,000	0.9
Engineering	2,679,000	553,000	20.6	6,000	0.2	85,000	3.2	197,000	7.4	1,792,000	66.9	10,000	0.4	35,000	1.3
Aerospace, aeronautical, and aeronautical engineering	106,000	9,000	8.5	S	S	2,000	1.9	5,000	4.7	87,000	82.1	S	S	2,000	1.9

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		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Chemical engineering	178,000	33,000	18.5	S	S	7,000	3.9	16,000	9.0	120,000	67.4	S	S	2,000	1.1
Civil and architectural engineering	407,000	54,000	13.3	S	S	12,000	2.9	31,000	7.6	301,000	74.0	3,000	0.7	5,000	1.2
Architectural engineering	33,000	2,000	6.1	S	S	S	S	2,000	6.1	28,000	84.8	S	S	S	S
Civil engineering	374,000	52,000	13.9	S	S	11,000	2.9	29,000	7.8	273,000	73.0	3,000	0.8	5,000	1.3
Electrical and computer engineering	914,000	274,000	30.0	1,000	0.1	34,000	3.7	67,000	7.3	520,000	56.9	4,000	0.4	15,000	1.6
Computer and systems engineering	212,000	64,000	30.2	S	S	6,000	2.8	20,000	9.4	115,000	54.2	S	S	5,000	2.4
Electrical, electronics, and communications engineering	702,000	210,000	29.9	S	S	27,000	3.8	47,000	6.7	405,000	57.7	3,000	0.4	10,000	1.4
Industrial and manufacturing engineering	159,000	27,000	17.0	S	S	7,000	4.4	17,000	10.7	107,000	67.3	S	S	S	S
Mechanical engineering	544,000	93,000	17.1	2,000	0.4	15,000	2.8	36,000	6.6	391,000	71.9	1,000	0.2	6,000	1.1
Other engineering	371,000	64,000	17.3	S	S	8,000	2.2	26,000	7.0	266,000	71.7	1,000	0.3	4,000	1.1
Agricultural engineering	29,000	3,000	10.3	S	S	S	S	4,000	13.8	22,000	75.9	S	S	S	S
Bioengineering and biomedical engineering	34,000	11,000	32.4	S	S	1,000	2.9	2,000	5.9	19,000	55.9	S	S	1,000	2.9
Engineering sciences, mechanics, and physics	33,000	9,000	27.3	S	S	1,000	3.0	1,000	3.0	22,000	66.7	S	S	S	S
Environmental engineering	43,000	4,000	9.3	S	S	2,000	4.7	3,000	7.0	33,000	76.7	S	S	1,000	2.3
Engineering, general	39,000	4,000	10.3	S	S	1,000	2.6	3,000	7.7	30,000	76.9	S	S	S	S
Geophysical and geological engineering	9,000	2,000	22.2	S	S	S	S	S	S	6,000	66.7	S	S	S	S
Materials engineering, including ceramics and textiles	40,000	15,000	37.5	S	S	S	S	2,000	5.0	22,000	55.0	S	S	S	S
Metallurgical engineering	14,000	2,000	14.3	S	S	S	S	S	S	11,000	78.6	S	S	S	S
Mining and minerals engineering	9,000	S	S	S	S	S	S	S	S	8,000	88.9	S	S	S	S
Naval architecture and marine engineering	15,000	1,000	6.7	S	S	S	S	S	S	14,000	93.3	S	S	S	S
Nuclear engineering	15,000	2,000	13.3	S	S	S	S	S	S	12,000	80.0	S	S	S	S
Petroleum engineering	17,000	1,000	5.9	S	S	S	S	3,000	17.6	12,000	70.6	S	S	S	S
Other engineering	75,000	10,000	13.3	S	S	2,000	2.7	6,000	8.0	56,000	74.7	S	S	1,000	1.3

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

NOTES: Detail may not add to total because of rounding. Numbers are rounded to the nearest 1,000. Percentages are based on rounded numbers. Hispanic may be any race. American Indian or Alaska Native, Asian, black or African American, Native Hawaiian or Other Pacific Islander, white, and more than one race refer to individuals who are not of Hispanic origin.

SOURCE: National Science Foundation, National Center for Science and Engineering Statistics, Scientists and Engineers Statistical Data System (SESTAT) (2010), <http://sestat.nsf.gov/>.

Science and Engineering Indicators 2014