

TABLE S3-16

**Employed S&E highest degree holders, by sex, race, ethnicity, field of highest degree, and broad occupational category: 2017**

(Percent)

Sex, race, ethnicity, and field of highest degree	S&E occupations			S&E-related occupations	Non-S&E occupations
	All S&E	In field	Out of field		
All employed S&E highest degree holders	35.1	25.6	9.5	13.8	51.2
Female					
All S&E fields	23.0	17.5	5.8	13.3	63.3
Computer and mathematical sciences	45.6	43.3	2.2	11.2	43.2
Biological, agricultural, and environmental life sciences	25.3	18.3	7.0	33.2	41.4
Physical and related sciences	37.4	21.4	16.3	25.7	36.6
Social and related sciences	10.4	7.5	2.9	6.4	83.3
Engineering	54.4	34.6	19.8	10.5	35.1
Male					
All S&E fields	42.8	30.9	11.9	14.1	43.1
Computer and mathematical sciences	60.3	57.7	2.6	12.3	27.4
Biological, agricultural, and environmental life sciences	29.7	18.1	11.7	22.8	47.5
Physical and related sciences	48.5	29.1	19.4	16.5	35.0
Social and related sciences	16.0	7.1	8.9	7.5	76.5
Engineering	56.8	38.1	18.6	16.1	27.1
Asian					
All S&E fields	50.4	32.5	17.9	15.9	33.7
Computer and mathematical sciences	65.1	62.0	3.0	10.9	24.1
Biological, agricultural, and environmental life sciences	36.2	27.0	9.4	32.2	31.6
Physical and related sciences	54.3	24.8	28.7	19.4	27.1
Social and related sciences	13.5	5.6	8.1	8.1	78.4
Engineering	62.4	27.7	34.6	16.9	20.7
American Indian or Alaska Native					
All S&E fields	19.1	10.6	8.5	s	61.7
Computer and mathematical sciences	s	s	s	s	s
Biological, agricultural, and environmental life sciences	s	s	s	s	s
Physical and related sciences	s	s	s	s	s
Social and related sciences	s	s	s	s	84.2
Engineering	50.0	s	s	s	40.0
Black or African American					
All S&E fields	25.9	19.5	6.3	16.0	58.1
Computer and mathematical sciences	53.1	51.7	1.4	11.5	34.9
Biological, agricultural, and environmental life sciences	16.5	8.3	8.3	47.9	35.5
Physical and related sciences	39.5	15.8	23.7	18.4	39.5
Social and related sciences	9.2	5.2	3.9	8.5	72.4
Engineering	44.3	28.6	15.0	18.6	37.9
Hispanic or Latino					
All S&E fields	27.6	20.5	7.2	16.2	56.2
Computer and mathematical sciences	42.6	41.2	1.4	17.6	39.2
Biological, agricultural, and environmental life sciences	21.8	14.9	6.9	38.5	40.2
Physical and related sciences	38.0	22.0	14.0	30.0	34.0
Social and related sciences	11.8	8.0	3.8	5.6	82.6
Engineering	49.7	35.1	14.6	20.2	30.4
White					
All S&E fields	33.6	25.3	8.2	12.7	53.7
Computer and mathematical sciences	54.3	51.9	2.4	11.8	33.8
Biological, agricultural, and environmental life sciences	27.9	17.9	10.1	23.9	48.1
Physical and related sciences	43.7	27.6	16.1	18.9	37.4

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(Percent)

Sex, race, ethnicity, and field of highest degree	S&E occupations			S&E-related occupations	Non-S&E occupations
	All S&E	In field	Out of field		
Social and related sciences	13.4	7.8	5.6	6.8	79.8
Engineering	55.5	41.9	13.6	13.7	30.8
Native Hawaiian or Other Pacific Islander					
All S&E fields	45.0	42.5	2.5	7.5	47.5
Computer and mathematical sciences	87.5	87.5	s	s	s
Biological, agricultural, and environmental life sciences	33.3	33.3	s	s	s
Physical and related sciences	s	s	s	s	s
Social and related sciences	s	s	s	s	94.1
Engineering	80.0	80.0	s	10.0	10.0
More than one race					
All S&E fields	28.3	21.3	7.0	14.0	57.7
Computer and mathematical sciences	40.8	40.8	2.0	16.3	42.9
Biological, agricultural, and environmental life sciences	18.3	11.7	6.7	33.3	48.3
Physical and related sciences	54.5	27.3	18.2	18.2	27.3
Social and related sciences	10.0	5.8	4.2	4.2	85.0
Engineering	69.6	52.2	17.4	8.7	21.7

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

**Note(s)**

Hispanic may be any race; race categories exclude Hispanic origin. For each broad S&E highest degree field, S&E occupations in field includes individuals who report being in an occupation in the same broad category as their highest degree, and S&E occupations out of field includes those who report being in an occupation not in the same broad category as their highest degree. For example, for highest degree holders in computer and mathematical sciences, S&E occupations in field includes those who report computer and mathematical sciences as their occupation, and S&E occupations out of field includes those who report an S&E occupation other than computer and mathematical sciences occupations, that is, who report biological, agricultural, and environmental life sciences; physical sciences; social sciences; or engineering as their occupation. Detail may not add to total because of rounding. 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*