

Table SLBR-32

Employed S&E highest degree holders, by sex, race or ethnicity, field of highest degree, and broad occupational category: 2019

(Percent)

Sex, race or 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	37.2	27.6	9.5	13.9	49.0
Female					
All S&E fields	26.0	19.6	6.4	13.3	60.7
Computer and mathematical sciences	48.9	46.7	2.2	14.7	36.4
Biological, agricultural, and environmental life sciences	27.2	19.0	8.2	29.5	43.3
Physical and related sciences	41.5	24.8	16.8	19.1	39.4
Social and related sciences	12.3	9.4	2.9	6.8	80.9
Engineering	57.9	36.4	21.6	10.9	31.2
Male					
All S&E fields	44.6	32.9	11.6	14.2	41.2
Computer and mathematical sciences	62.8	59.4	3.4	12.2	25.0
Biological, agricultural, and environmental life sciences	30.6	21.0	9.6	24.7	44.7
Physical and related sciences	50.0	29.0	21.1	20.1	29.9
Social and related sciences	15.9	6.5	9.4	6.5	77.6
Engineering	58.0	40.3	17.7	15.9	26.1
Asian					
All S&E fields	54.0	36.8	17.2	14.6	31.4
Computer and mathematical sciences	68.2	65.6	2.6	11.8	20.1
Biological, agricultural, and environmental life sciences	37.8	28.9	8.9	30.2	32.1
Physical and related sciences	65.0	30.2	34.9	13.6	21.4
Social and related sciences	14.4	7.8	6.6	5.7	79.9
Engineering	64.4	30.8	33.6	14.8	20.8
American Indian or Alaska Native					
All S&E fields	24.5	16.0	8.4	10.1	65.5
Computer and mathematical sciences	s	s	s	s	s
Biological, agricultural, and environmental life sciences	26.2	21.0	s	12.7	61.1
Physical and related sciences	s	s	s	s	s
Social and related sciences	s	s	s	s	88.5
Engineering	66.9	47.4	s	s	s
Black or African American					
All S&E fields	25.0	18.2	6.9	14.4	60.6
Computer and mathematical sciences	49.4	45.3	4.1	11.6	39.0
Biological, agricultural, and environmental life sciences	17.8	8.1	9.7	40.5	41.7
Physical and related sciences	34.4	22.6	11.9	7.0	58.6

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Employed S&E highest degree holders, by sex, race or ethnicity, field of highest degree, and broad occupational category: 2019

(Percent)

Sex, race or 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	7.9	5.2	2.7	7.7	84.4
Engineering	49.8	29.2	20.6	18.7	31.5
Hispanic or Latino					
All S&E fields	31.1	23.6	7.5	14.5	54.4
Computer and mathematical sciences	53.2	51.5	1.7	13.7	33.1
Biological, agricultural, and environmental life sciences	31.6	22.9	8.6	31.2	37.2
Physical and related sciences	44.3	30.9	13.4	16.6	39.1
Social and related sciences	13.5	8.3	5.2	6.4	80.1
Engineering	48.7	35.5	13.1	18.8	32.6
White					
All S&E fields	35.4	27.0	8.3	13.7	51.0
Computer and mathematical sciences	56.9	53.6	3.3	13.8	29.2
Biological, agricultural, and environmental life sciences	27.7	18.8	8.9	25.1	47.2
Physical and related sciences	45.1	27.3	17.8	21.9	33.0
Social and related sciences	14.7	8.7	6.0	6.7	78.6
Engineering	57.2	44.2	12.9	14.5	28.3
Native Hawaiian or Other Pacific Islander					
All S&E fields	28.7	27.2	1.6	6.7	64.6
Computer and mathematical sciences	s	s	s	s	78.4
Biological, agricultural, and environmental life sciences	s	s	s	s	78.9
Physical and related sciences	s	s	s	s	s
Social and related sciences	s	s	s	s	90.3
Engineering	70.3	67.1	s	s	14.0
More than one race					
All S&E fields	34.0	26.1	7.9	10.6	55.4
Computer and mathematical sciences	62.8	62.1	s	5.0	32.2
Biological, agricultural, and environmental life sciences	26.0	16.9	9.1	23.1	50.9
Physical and related sciences	35.7	21.6	14.1	22.9	41.4
Social and related sciences	11.3	5.7	5.6	7.9	80.8
Engineering	65.1	46.2	18.9	8.3	26.6

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

Note(s):

Hispanic or Latino may be any race; race categories exclude Hispanic or Latino origin. For each broad S&E highest degree field, S&E occupations in field include individuals who report being in an occupation in the same broad category as their highest degree, and S&E occupations out of field include 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 include those who report computer and mathematical sciences as their occupation, and S&E occupations out of field include 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. Percentages may not add to 100% because of rounding.

Source(s):

National Center for Science and Engineering Statistics, National Survey of College Graduates (NSCG), 2019.

Science and Engineering Indicators