

TABLE 9-25

Science, engineering, and health doctorate holders employed in universities and 4-year colleges, by broad occupation, sex, race, ethnicity, and faculty rank: 2017

(Number)

Occupation, sex, race, and ethnicity	Total	Professor	Associate professor	Assistant professor	Other faculty	Rank not applicable
All occupations	319,400	98,800	71,250	64,850	21,150	63,400
Female	120,650	26,900	27,950	27,950	9,950	27,950
White	84,950	21,650	20,550	18,850	6,850	17,100
Asian	20,850	2,700	3,900	5,000	1,800	7,500
Black or African American	6,000	1,000	1,850	1,550	400	1,200
Hispanic or Latino ^a	6,450	1,150	1,250	1,850	600	1,600
American Indian or Alaska Native	250	50	100	50	D	50
Native Hawaiian or Other Pacific Islander	150	D	S	50	D	50
More than one race ^b	1,950	350	300	550	250	500
Male	198,750	71,900	43,300	36,900	11,200	35,450
White	140,850	55,200	30,850	24,500	8,150	22,200
Asian	39,300	11,200	7,900	8,500	1,650	10,050
Black or African American	6,550	1,950	1,800	1,350	500	950
Hispanic or Latino ^a	9,000	2,600	2,050	2,100	700	1,550
American Indian or Alaska Native	350	150	100	50	D	50
Native Hawaiian or Other Pacific Islander	200	D	50	S	D	S
More than one race ^b	2,500	750	600	400	100	600
S&E occupations ^c	245,250	75,000	54,400	51,500	16,900	47,500
Female	84,750	17,650	19,350	20,450	7,400	19,950
White	58,250	14,000	14,100	13,800	5,000	11,400
Asian	16,050	1,850	2,800	3,850	1,450	6,100
Black or African American	3,800	600	1,300	950	250	750
Hispanic or Latino ^a	4,850	900	850	1,350	450	1,250
American Indian or Alaska Native	200	50	50	50	D	50
Native Hawaiian or Other Pacific Islander	100	D	D	*	D	D
More than one race ^b	1,550	250	250	450	200	400
Male	160,500	57,350	35,050	31,050	9,500	27,550
White	113,050	43,900	25,050	20,600	6,950	16,600
Asian	33,200	9,400	6,300	7,250	1,400	8,800
Black or African American	4,850	1,400	1,450	1,050	450	550
Hispanic or Latino ^a	7,150	1,950	1,750	1,750	600	1,150
American Indian or Alaska Native	200	100	50	D	D	D
Native Hawaiian or Other Pacific Islander	150	D	*	D	D	S
More than one race ^b	1,900	600	500	300	100	450
Scientist	214,200	63,400	47,150	44,800	15,350	43,450
Female	79,350	16,250	18,000	19,100	6,950	19,050
White	55,000	13,050	13,250	13,050	4,700	10,950
Asian	14,450	1,550	2,450	3,350	1,350	5,800
Black or African American	3,600	550	1,200	850	250	700
Hispanic or Latino ^a	4,600	850	850	1,300	450	1,200
American Indian or Alaska Native	200	50	50	50	D	50
Native Hawaiian or Other Pacific Islander	100	D	D	*	D	D
More than one race ^b	1,450	200	200	450	200	350
Male	134,800	47,150	29,150	25,700	8,400	24,400
White	98,100	37,600	21,400	17,800	6,200	15,050
Asian	24,600	6,300	4,550	5,250	1,150	7,400

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Science, engineering, and health doctorate holders employed in universities and 4-year colleges, by broad occupation, sex, race, ethnicity, and faculty rank: 2017

(Number)

Occupation, sex, race, and ethnicity	Total	Professor	Associate professor	Assistant professor	Other faculty	Rank not applicable
Black or African American	4,150	1,150	1,200	850	450	450
Hispanic or Latino ^a	5,900	1,600	1,400	1,450	500	1,000
American Indian or Alaska Native	150	50	50	D	D	D
Native Hawaiian or Other Pacific Islander	150	D	*	D	D	D
More than one race ^b	1,750	500	500	300	100	400
Biological/life scientist	73,600	17,350	12,200	14,450	4,400	25,200
Female	28,850	4,500	4,300	6,100	2,100	11,900
White	19,100	3,750	3,100	4,300	1,350	6,600
Asian	6,700	350	700	1,050	500	4,050
Black or African American	950	100	200	200	100	400
Hispanic or Latino ^a	1,550	250	200	400	100	650
American Indian or Alaska Native	50	D	D	D	D	D
Native Hawaiian or Other Pacific Islander	S	D	D	D	D	D
More than one race ^b	450	50	100	100	50	150
Male	44,750	12,900	7,900	8,350	2,300	13,300
White	31,950	10,950	5,900	5,550	1,550	8,000
Asian	9,550	1,400	1,450	2,000	450	4,300
Black or African American	1,000	200	200	200	150	250
Hispanic or Latino ^a	1,600	200	250	500	100	550
American Indian or Alaska Native	50	D	D	D	D	D
Native Hawaiian or Other Pacific Islander	50	D	D	D	D	D
More than one race ^b	500	100	S	50	D	250
Computer and information scientist	11,200	3,200	2,600	2,300	550	2,500
Female	2,100	450	450	450	200	550
White	1,050	300	200	200	100	250
Asian	800	150	200	200	D	250
Black or African American	150	D	50	D	D	D
Hispanic or Latino ^a	100	D	D	D	D	D
American Indian or Alaska Native	D	D	D	D	D	D
Native Hawaiian or Other Pacific Islander	D	D	D	D	D	D
More than one race ^b	*	D	D	D	D	D
Male	9,100	2,750	2,150	1,850	350	1,950
White	5,400	1,750	1,200	1,200	150	1,100
Asian	3,200	900	750	550	150	800
Black or African American	150	D	50	50	D	S
Hispanic or Latino ^a	250	50	100	50	50	*
American Indian or Alaska Native	D	D	D	D	D	D
Native Hawaiian or Other Pacific Islander	D	D	D	D	D	D
More than one race ^b	50	D	D	D	D	D
Mathematical scientist	19,700	6,700	5,000	4,150	1,750	2,150
Female	5,350	1,250	1,400	1,250	550	850
White	3,300	900	850	750	350	400
Asian	1,550	300	350	400	150	350
Black or African American	200	D	150	*	D	S
Hispanic or Latino ^a	250	50	S	50	50	*

TABLE 9-25

Science, engineering, and health doctorate holders employed in universities and 4-year colleges, by broad occupation, sex, race, ethnicity, and faculty rank: 2017

(Number)

Occupation, sex, race, and ethnicity	Total	Professor	Associate professor	Assistant professor	Other faculty	Rank not applicable
American Indian or Alaska Native	D	D	D	D	D	D
Native Hawaiian or Other Pacific Islander	D	D	D	D	D	D
More than one race ^b	50	D	D	50	D	D
Male	14,400	5,450	3,600	2,850	1,200	1,300
White	10,250	4,050	2,600	1,850	900	900
Asian	2,900	1,000	750	750	100	300
Black or African American	400	100	100	150	D	D
Hispanic or Latino ^a	750	250	200	100	150	50
American Indian or Alaska Native	D	D	D	D	D	D
Native Hawaiian or Other Pacific Islander	D	D	D	D	D	D
More than one race ^b	100	D	D	D	D	D
Physical scientist	39,150	13,100	7,600	7,550	3,600	7,300
Female	9,750	2,150	2,150	2,500	1,250	1,750
White	6,900	1,700	1,750	1,750	700	1,050
Asian	1,950	250	200	500	450	500
Black or African American	250	D	100	50	S	50
Hispanic or Latino ^a	500	100	100	150	50	100
American Indian or Alaska Native	D	D	D	D	D	D
Native Hawaiian or Other Pacific Islander	D	D	D	D	D	D
More than one race ^b	150	S	D	50	D	50
Male	29,400	10,950	5,450	5,050	2,350	5,550
White	21,700	8,400	4,300	3,950	1,750	3,300
Asian	5,350	1,750	550	700	450	1,900
Black or African American	650	200	150	100	50	100
Hispanic or Latino ^a	1,300	500	300	250	50	150
American Indian or Alaska Native	D	D	D	D	D	D
Native Hawaiian or Other Pacific Islander	D	D	D	D	D	D
More than one race ^b	400	100	100	50	D	150
Psychologist	24,300	7,400	6,750	5,450	1,650	3,100
Female	13,500	3,300	3,600	3,550	1,050	2,050
White	10,000	2,700	2,750	2,350	800	1,350
Asian	1,350	150	300	450	D	350
Black or African American	950	200	300	300	50	150
Hispanic or Latino ^a	900	200	200	250	100	150
American Indian or Alaska Native	50	D	D	D	D	D
Native Hawaiian or Other Pacific Islander	D	D	D	D	D	D
More than one race ^b	350	S	50	200	D	50
Male	10,800	4,100	3,150	1,900	600	1,050
White	9,050	3,650	2,450	1,450	550	900
Asian	750	150	350	200	D	50
Black or African American	350	100	100	50	D	D
Hispanic or Latino ^a	450	100	150	150	D	50
American Indian or Alaska Native	D	D	D	D	D	D
Native Hawaiian or Other Pacific Islander	D	D	D	D	D	D

TABLE 9-25

Science, engineering, and health doctorate holders employed in universities and 4-year colleges, by broad occupation, sex, race, ethnicity, and faculty rank: 2017

(Number)

Occupation, sex, race, and ethnicity	Total	Professor	Associate professor	Assistant professor	Other faculty	Rank not applicable
More than one race ^b	200	S	S	*	D	D
Social scientist	46,150	15,600	13,050	10,950	3,400	3,200
Female	19,800	4,600	6,100	5,250	1,800	2,000
White	14,700	3,650	4,600	3,700	1,400	1,300
Asian	2,150	350	650	750	100	250
Black or African American	1,150	250	450	250	50	100
Hispanic or Latino ^a	1,300	250	300	400	100	250
American Indian or Alaska Native	100	D	D	S	D	D
Native Hawaiian or Other Pacific Islander	*	D	D	D	D	D
More than one race ^b	450	S	50	100	150	50
Male	26,400	11,000	6,900	5,700	1,600	1,200
White	19,750	8,750	5,000	3,800	1,300	850
Asian	2,900	1,000	700	1,050	D	50
Black or African American	1,600	500	600	250	100	S
Hispanic or Latino ^a	1,550	500	400	400	100	150
American Indian or Alaska Native	100	D	D	D	D	D
Native Hawaiian or Other Pacific Islander	D	D	D	D	D	D
More than one race ^b	550	150	200	100	D	D
Engineer	31,100	11,600	7,250	6,650	1,550	4,050
Female	5,400	1,400	1,300	1,350	450	900
White	3,250	950	800	750	300	450
Asian	1,600	300	400	500	100	350
Black or African American	200	50	50	50	D	D
Hispanic or Latino ^a	250	50	50	50	D	50
American Indian or Alaska Native	D	D	D	D	D	D
Native Hawaiian or Other Pacific Islander	D	D	D	D	D	D
More than one race ^b	100	D	D	D	D	D
Male	25,700	10,200	5,900	5,300	1,100	3,150
White	14,950	6,300	3,600	2,750	700	1,550
Asian	8,550	3,150	1,750	2,000	250	1,400
Black or African American	700	250	200	200	*	50
Hispanic or Latino ^a	1,250	400	350	300	100	150
American Indian or Alaska Native	50	D	D	D	D	D
Native Hawaiian or Other Pacific Islander	D	D	D	D	D	D
More than one race ^b	150	100	D	S	D	D
S&E-related occupations ^d	33,050	7,650	8,600	8,450	1,500	6,900
Female	17,950	3,600	4,900	5,000	1,050	3,350
White	13,200	3,100	3,800	3,500	750	2,050
Asian	2,750	350	650	700	150	900
Black or African American	1,100	100	300	400	S	200
Hispanic or Latino ^a	650	100	100	300	50	100
American Indian or Alaska Native	D	D	D	D	D	D
Native Hawaiian or Other Pacific Islander	S	D	D	D	D	D
More than one race ^b	150	D	S	50	D	50

TABLE 9-25

Science, engineering, and health doctorate holders employed in universities and 4-year colleges, by broad occupation, sex, race, ethnicity, and faculty rank: 2017

(Number)

Occupation, sex, race, and ethnicity	Total	Professor	Associate professor	Assistant professor	Other faculty	Rank not applicable
Male	15,150	4,050	3,650	3,400	450	3,550
White	10,250	2,950	2,500	2,300	300	2,200
Asian	3,300	700	800	700	S	900
Black or African American	550	200	100	100	D	150
Hispanic or Latino ^a	700	150	150	200	D	150
American Indian or Alaska Native	100	D	D	D	D	D
Native Hawaiian or Other Pacific Islander	D	D	D	D	D	D
More than one race ^b	200	D	D	100	D	S
Non-S&E occupations	41,100	16,150	8,250	4,950	2,750	9,000
Female	18,000	5,650	3,700	2,500	1,500	4,700
White	13,500	4,550	2,650	1,550	1,100	3,650
Asian	2,100	550	400	450	200	450
Black or African American	1,150	300	250	250	50	250
Hispanic or Latino ^a	950	150	300	200	100	250
American Indian or Alaska Native	50	D	D	D	D	D
Native Hawaiian or Other Pacific Islander	D	D	D	D	D	D
More than one race ^b	250	100	S	50	D	100
Male	23,100	10,500	4,550	2,450	1,250	4,300
White	17,550	8,350	3,300	1,600	950	3,350
Asian	2,800	1,050	800	550	150	300
Black or African American	1,100	400	250	150	50	300
Hispanic or Latino ^a	1,150	500	150	150	100	250
American Indian or Alaska Native	100	D	D	D	D	D
Native Hawaiian or Other Pacific Islander	D	D	D	D	D	D
More than one race ^b	350	150	D	*	D	50

* = value < 25. D = suppressed to avoid disclosure of confidential information. S = suppressed for reliability; coefficient of variation exceeds publication standards.

S&E = science and engineering.

^a Hispanic or Latino may be any race.

^b Includes persons of more than one race who are not Hispanic or Latino.

^c S&E occupations include S&E postsecondary teachers.

^d S&E-related occupations include health occupations.

Note(s)

Numbers rounded to nearest 50. Detail may not add to total because of rounding and suppression. S&E occupations include S&E postsecondary teachers. S&E-related occupations include health-related occupations (e.g. diagnosing practitioners, registered nurses, postsecondary teachers in health and related sciences), S&E managers, S&E precollege teachers, S&E technicians and technologists, and other S&E related occupations.

Source(s)

National Science Foundation, National Center for Science and Engineering Statistics, Survey of Doctorate Recipients, 2017.