

Table 9-29

Science, engineering, and health doctorate holders employed in universities and 4-year colleges, by broad occupation, sex, race, ethnicity, and tenure status: 2019

(Number)

Occupation, sex, race, and ethnicity	Total	Tenured	On tenure track	Not on tenure track	Tenure not applicable
All occupations	344,350	160,500	50,850	52,200	80,800
Female	132,500	50,350	21,600	22,500	38,050
White	92,800	37,950	14,250	15,450	25,200
Asian	23,300	7,100	3,850	4,000	8,350
Black or African American	6,550	2,250	1,250	1,200	1,850
Hispanic or Latino ^a	7,200	2,350	1,550	1,400	1,950
American Indian or Alaska Native	250	100	50	S	50
Native Hawaiian or Other Pacific Islander	200	50	50	S	50
More than one race ^b	2,200	600	550	400	600
Male	211,850	110,100	29,300	29,650	42,800
White	147,300	80,550	17,550	20,100	29,050
Asian	45,650	20,300	8,650	6,850	9,900
Black or African American	7,150	3,550	1,200	1,050	1,400
Hispanic or Latino ^a	9,150	4,550	1,500	1,250	1,900
American Indian or Alaska Native	350	200	50	50	50
Native Hawaiian or Other Pacific Islander	150	50	D	S	50
More than one race ^b	2,100	900	400	350	450
S&E occupations ^c	266,300	127,450	41,550	39,450	57,850
Female	94,050	36,750	16,200	15,550	25,550
White	65,050	27,600	10,900	10,650	15,950
Asian	17,850	5,400	2,900	3,000	6,550
Black or African American	3,800	1,400	650	700	1,050
Hispanic or Latino ^a	5,400	1,850	1,100	950	1,450
American Indian or Alaska Native	150	50	50	D	50
Native Hawaiian or Other Pacific Islander	150	50	S	D	D
More than one race ^b	1,650	400	500	250	500
Male	172,250	90,700	25,350	23,850	32,350
White	118,500	66,000	15,200	15,800	21,550
Asian	38,650	17,100	7,600	5,850	8,100
Black or African American	5,550	2,900	950	850	850
Hispanic or Latino ^a	7,600	3,800	1,300	1,050	1,500
American Indian or Alaska Native	200	150	D	S	D
Native Hawaiian or Other Pacific Islander	100	S	D	D	*
More than one race ^b	1,700	800	350	250	300
Science occupations ^c	230,400	108,400	34,900	34,900	52,200
Female	88,050	34,300	14,700	14,800	24,300
White	61,550	26,200	9,950	10,150	15,200
Asian	16,050	4,600	2,450	2,800	6,150
Black or African American	3,550	1,300	650	600	1,000
Hispanic or Latino ^a	5,100	1,750	1,050	900	1,400
American Indian or Alaska Native	150	50	50	D	50
Native Hawaiian or Other Pacific Islander	150	50	S	D	D
More than one race ^b	1,600	400	500	250	450
Male	142,300	74,100	20,150	20,100	27,900
White	101,900	56,500	12,750	13,900	18,800
Asian	27,800	11,200	5,300	4,450	6,800
Black or African American	4,650	2,450	750	750	700

Table 9-29

Science, engineering, and health doctorate holders employed in universities and 4-year colleges, by broad occupation, sex, race, ethnicity, and tenure status: 2019

(Number)

Occupation, sex, race, and ethnicity	Total	Tenured	On tenure track	Not on tenure track	Tenure not applicable
Hispanic or Latino ^a	6,300	3,100	1,100	800	1,300
American Indian or Alaska Native	150	100	D	D	D
Native Hawaiian or Other Pacific Islander	50	D	D	D	D
More than one race ^b	1,400	700	250	200	250
Biological/ agricultural/ other life scientist	76,650	27,400	10,450	15,000	23,800
Female	31,550	8,200	4,500	6,450	12,350
White	20,650	6,350	3,150	4,050	7,050
Asian	7,450	1,200	650	1,750	3,900
Black or African American	900	150	200	100	450
Hispanic or Latino ^a	1,850	350	350	400	750
American Indian or Alaska Native	D	D	D	D	D
Native Hawaiian or Other Pacific Islander	50	D	D	D	D
More than one race ^b	550	100	100	100	200
Male	45,100	19,200	5,950	8,550	11,450
White	31,750	15,200	3,750	5,450	7,300
Asian	9,750	2,450	1,600	2,500	3,200
Black or African American	1,000	400	150	150	250
Hispanic or Latino ^a	2,100	850	350	350	500
American Indian or Alaska Native	*	D	D	D	D
Native Hawaiian or Other Pacific Islander	50	D	D	D	D
More than one race ^b	450	200	100	50	100
Computer/ information scientist	14,050	6,400	2,700	1,700	3,300
Female	2,700	1,150	600	300	700
White	1,450	600	300	150	400
Asian	1,000	450	250	100	250
Black or African American	100	50	50	D	D
Hispanic or Latino ^a	100	50	D	D	D
American Indian or Alaska Native	D	D	D	D	D
Native Hawaiian or Other Pacific Islander	D	D	D	D	D
More than one race ^b	*	D	D	D	D
Male	11,350	5,250	2,100	1,400	2,650
White	6,550	3,000	1,000	950	1,600
Asian	4,100	1,950	950	400	850
Black or African American	250	100	100	D	D
Hispanic or Latino ^a	300	100	*	50	150
American Indian or Alaska Native	D	D	D	D	D
Native Hawaiian or Other Pacific Islander	D	D	D	D	D
More than one race ^b	S	S	D	D	D
Mathematical scientist	21,600	12,100	3,050	3,100	3,350
Female	6,100	2,600	1,000	1,150	1,400
White	4,000	1,850	700	650	800
Asian	1,700	600	250	400	450
Black or African American	200	50	D	S	50
Hispanic or Latino ^a	150	50	S	50	S
American Indian or Alaska Native	D	D	D	D	D
Native Hawaiian or Other Pacific Islander	D	D	D	D	D
More than one race ^b	50	D	D	D	D
Male	15,450	9,550	2,000	2,000	1,950

Table 9-29

Science, engineering, and health doctorate holders employed in universities and 4-year colleges, by broad occupation, sex, race, ethnicity, and tenure status: 2019

(Number)

Occupation, sex, race, and ethnicity	Total	Tenured	On tenure track	Not on tenure track	Tenure not applicable
White	10,050	6,400	1,000	1,300	1,350
Asian	4,150	2,450	800	500	350
Black or African American	400	200	100	S	50
Hispanic or Latino ^a	800	450	100	100	150
American Indian or Alaska Native	D	D	D	D	D
Native Hawaiian or Other Pacific Islander	D	D	D	D	D
More than one race ^b	50	*	D	D	D
Physical scientist	42,000	20,200	6,300	5,750	9,700
Female	10,900	4,700	1,950	1,700	2,550
White	7,850	3,700	1,350	1,300	1,500
Asian	2,000	650	300	250	800
Black or African American	200	100	50	*	50
Hispanic or Latino ^a	550	150	100	100	150
American Indian or Alaska Native	D	D	D	D	D
Native Hawaiian or Other Pacific Islander	D	D	D	D	D
More than one race ^b	200	50	100	*	S
Male	31,100	15,550	4,350	4,100	7,100
White	22,900	12,450	3,000	2,900	4,500
Asian	6,100	2,050	1,000	900	2,150
Black or African American	800	400	100	150	150
Hispanic or Latino ^a	1,000	500	250	50	200
American Indian or Alaska Native	D	D	D	D	D
Native Hawaiian or Other Pacific Islander	D	D	D	D	D
More than one race ^b	300	100	50	100	50
Psychologist	25,900	12,150	4,200	3,400	6,150
Female	15,300	6,300	2,500	2,300	4,200
White	11,500	4,850	1,800	1,800	3,100
Asian	1,450	550	300	100	500
Black or African American	950	400	150	200	200
Hispanic or Latino ^a	950	400	150	150	250
American Indian or Alaska Native	50	50	D	D	D
Native Hawaiian or Other Pacific Islander	D	D	D	D	D
More than one race ^b	350	100	100	D	100
Male	10,600	5,850	1,700	1,100	1,950
White	8,850	5,100	1,250	900	1,650
Asian	800	350	250	100	100
Black or African American	350	150	50	100	D
Hispanic or Latino ^a	500	200	100	D	150
American Indian or Alaska Native	D	D	D	D	D
Native Hawaiian or Other Pacific Islander	D	D	D	D	D
More than one race ^b	100	S	S	D	D
Social scientist	50,200	30,150	8,200	5,950	5,900
Female	21,500	11,400	4,150	2,950	3,050
White	16,050	8,800	2,650	2,250	2,300
Asian	2,400	1,200	650	250	300
Black or African American	1,150	500	200	200	250
Hispanic or Latino ^a	1,500	750	400	150	200
American Indian or Alaska Native	100	50	50	D	D

Table 9-29

Science, engineering, and health doctorate holders employed in universities and 4-year colleges, by broad occupation, sex, race, ethnicity, and tenure status: 2019

(Number)

Occupation, sex, race, and ethnicity	Total	Tenured	On tenure track	Not on tenure track	Tenure not applicable
Native Hawaiian or Other Pacific Islander	D	D	D	D	D
More than one race ^b	400	100	150	50	50
Male	28,650	18,750	4,050	3,000	2,850
White	21,800	14,300	2,700	2,400	2,400
Asian	2,900	1,950	750	100	150
Black or African American	1,900	1,250	250	250	150
Hispanic or Latino ^a	1,600	950	300	200	150
American Indian or Alaska Native	150	100	D	D	D
Native Hawaiian or Other Pacific Islander	D	D	D	D	D
More than one race ^b	350	250	50	D	S
Engineering occupations	35,900	19,050	6,650	4,550	5,650
Female	5,950	2,450	1,500	800	1,250
White	3,500	1,400	900	450	750
Asian	1,850	800	450	200	400
Black or African American	250	100	*	50	50
Hispanic or Latino ^a	300	150	50	50	50
American Indian or Alaska Native	D	D	D	D	D
Native Hawaiian or Other Pacific Islander	D	D	D	D	D
More than one race ^b	100	50	D	D	D
Male	29,950	16,600	5,200	3,750	4,400
White	16,600	9,500	2,450	1,900	2,750
Asian	10,850	5,900	2,300	1,400	1,300
Black or African American	850	450	200	150	150
Hispanic or Latino ^a	1,300	700	200	250	200
American Indian or Alaska Native	50	S	D	D	D
Native Hawaiian or Other Pacific Islander	D	D	D	D	D
More than one race ^b	250	S	50	S	50
S&E-related occupations ^d	35,800	12,800	6,250	6,600	10,150
Female	18,700	6,350	3,850	3,400	5,100
White	13,250	4,850	2,550	2,300	3,550
Asian	3,050	800	600	650	950
Black or African American	1,200	350	400	200	250
Hispanic or Latino ^a	850	150	250	150	250
American Indian or Alaska Native	50	D	D	D	D
Native Hawaiian or Other Pacific Islander	S	D	D	D	D
More than one race ^b	250	100	50	50	50
Male	17,100	6,500	2,350	3,150	5,100
White	11,700	4,700	1,450	2,200	3,400
Asian	4,100	1,400	600	750	1,350
Black or African American	500	150	150	50	100
Hispanic or Latino ^a	550	200	100	100	200
American Indian or Alaska Native	50	D	D	D	D
Native Hawaiian or Other Pacific Islander	D	D	D	D	D
More than one race ^b	150	D	D	50	S
Non-S&E occupations ^e	42,300	20,250	3,100	6,150	12,800
Female	19,750	7,300	1,500	3,550	7,400
White	14,500	5,500	800	2,500	5,650

Table 9-29**Science, engineering, and health doctorate holders employed in universities and 4-year colleges, by broad occupation, sex, race, ethnicity, and tenure status: 2019**

(Number)

Occupation, sex, race, and ethnicity	Total	Tenured	On tenure track	Not on tenure track	Tenure not applicable
Asian	2,350	900	350	300	800
Black or African American	1,550	450	200	300	600
Hispanic or Latino ^a	950	300	150	250	250
American Indian or Alaska Native	50	D	D	D	D
Native Hawaiian or Other Pacific Islander	D	D	D	D	D
More than one race ^b	300	100	*	S	100
Male	22,500	12,950	1,600	2,650	5,350
White	17,100	9,900	950	2,100	4,150
Asian	2,900	1,850	400	250	400
Black or African American	1,150	500	100	100	450
Hispanic or Latino ^a	1,000	550	100	100	250
American Indian or Alaska Native	100	S	D	D	D
Native Hawaiian or Other Pacific Islander	S	D	D	D	D
More than one race ^b	250	100	D	D	100

* = 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; race categories exclude Hispanic origin.

^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-related occupations (e.g., diagnosing practitioners, registered nurses, and 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.

^e Non-S&E occupations do not include S&E-related occupations.

Note(s):

Numbers rounded to nearest 50. Detail may not add to total because of rounding and suppression.

Source(s):

National Center for Science and Engineering Statistics, Survey of Doctorate Recipients, 2019.