

TABLE 19

U.S. residing employed doctoral scientists and engineers in 4-year educational institutions, by broad field of doctorate, ethnicity, race, and faculty rank: 2019

(Number and SE)

Field of study, ethnicity, and race	All employed		Full professor		Associate professor		Assistant professor		Instructor or lecturer		All other faculty		Rank not applicable	
	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE
All fields	344,350	2,325	113,200	1,550	76,200	1,225	68,900	1,225	21,850	625	1,550	175	62,600	1,075
Hispanic or Latino ^a	16,350	400	4,400	275	3,450	225	4,050	175	1,350	150	S	S	3,000	200
Not Hispanic or Latino ^b														
American Indian or Alaska Native	600	100	100	50	250	75	100	50	50	25	D	D	50	25
Asian	68,950	1,300	18,550	800	13,600	650	15,550	650	3,200	325	450	125	17,600	650
Black or African American	13,750	400	3,200	225	3,700	225	3,450	200	950	150	50	50	2,350	175
White	240,100	1,850	86,100	1,300	54,100	1,000	44,500	1,025	15,950	575	950	125	38,450	925
Other race ^c	4,600	250	850	125	1,050	150	1,250	125	350	75	D	D	1,100	150
Science	277,850	1,975	91,000	1,350	61,000	1,075	53,200	1,075	18,600	600	1,150	150	52,900	1,050
Hispanic or Latino ^a	13,550	325	3,450	225	2,800	225	3,400	175	1,200	150	S	S	2,650	200
Not Hispanic or Latino ^b														
American Indian or Alaska Native	500	100	100	50	200	75	100	25	50	25	D	D	50	25
Asian	49,450	1,075	12,050	600	10,000	600	10,750	575	2,500	250	250	100	13,900	525
Black or African American	10,750	375	2,450	175	3,000	200	2,550	175	800	125	50	50	1,900	175
White	199,750	1,700	72,200	1,150	44,200	875	35,400	975	13,750	550	800	125	33,450	925
Other race ^c	3,850	225	700	100	850	125	1,050	125	300	75	D	D	950	125
Biological, agricultural, and environmental life sciences	96,250	1,175	26,800	725	17,950	675	18,200	575	5,600	375	450	100	27,250	725
Hispanic or Latino ^a	4,800	225	850	125	750	150	1,350	100	350	75	S	S	1,500	150
Not Hispanic or Latino ^b														
American Indian or Alaska Native	100	50	D	D	50	25	S	S	D	D	D	D	50	25
Asian	20,250	600	3,150	275	3,650	375	4,200	375	750	150	50	50	8,400	400
Black or African American	2,700	200	450	75	600	100	700	75	200	75	D	D	700	100
White	67,050	1,000	22,200	675	12,550	525	11,650	450	4,200	325	300	75	16,150	600
Other race ^c	1,400	150	150	50	350	100	300	75	100	50	D	D	450	100
Computer and information sciences	10,750	475	3,400	300	2,750	250	2,900	275	550	100	D	D	1,150	175
Hispanic or Latino ^a	400	75	100	50	100	25	50	25	100	75	D	D	S	S
Not Hispanic or Latino ^b														
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D	D	D	D	D	D
Asian	3,800	350	1,100	175	950	175	1,100	225	100	50	D	D	500	150
Black or African American	250	50	50	25	100	25	100	50	D	D	D	D	D	D
White	6,250	350	2,100	225	1,600	225	1,600	175	300	75	D	D	600	125
Other race ^c	100	25	50	25	D	D	*	*	D	D	D	D	*	*
Mathematics and statistics	20,200	525	8,000	425	5,300	300	4,100	250	1,600	175	D	D	1,100	150
Hispanic or Latino ^a	900	100	450	100	150	50	150	50	50	25	D	D	100	50

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Field of study, ethnicity, and race	All employed		Full professor		Associate professor		Assistant professor		Instructor or lecturer		All other faculty		Rank not applicable	
	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE
American Indian or Alaska Native	50	25	S	S	D	D	D	D	D	D	D	D	D	D
Asian	16,150	750	5,850	575	2,850	275	3,800	375	600	175	200	100	2,900	275
Black or African American	1,400	150	450	75	350	100	250	75	100	50	D	D	250	50
White	25,250	700	9,500	475	5,400	375	5,000	350	1,600	225	100	75	3,650	300
Other race ^c	450	75	50	50	100	50	100	50	50	25	D	D	150	50
Health	21,250	550	5,550	325	6,050	350	6,200	350	850	125	100	50	2,550	200
Hispanic or Latino ^a	800	100	150	50	200	50	300	75	S	S	D	D	100	50
Not Hispanic or Latino ^b														
American Indian or Alaska Native	50	25	D	D	D	D	D	D	D	D	D	D	D	D
Asian	3,350	275	650	150	750	150	1,000	150	100	50	D	D	850	175
Black or African American	1,600	125	300	75	350	75	650	100	50	25	D	D	250	50
White	15,050	475	4,400	275	4,550	300	4,100	325	600	100	S	S	1,350	175
Other race ^c	300	75	S	S	100	50	100	50	D	D	D	D	50	25

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

SE = standard error.

^a Hispanic or Latino may be of any race.

^b American Indian or Alaska Native, Asian, Black or African American, and White are single race.

^c Other race includes Native Hawaiian or Other Pacific Islander and persons reporting more than one race who are not of Hispanic or Latino ethnicity.

Note(s):

Numbers are rounded to the nearest 50. Standard errors are rounded up to the nearest 25. Detail may not add to total because of rounding. Four-year educational institutions include 4-year colleges or universities, medical schools (including university-affiliated hospitals or medical centers), and university-affiliated research institutes. Residence location is based on reported living location on 1 February 2019.

Source(s):

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