

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: 2023

(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	341,350	2,475	113,000	1,775	76,550	1,250	65,450	1,175	17,700	725	1,200	175	67,450	1,300
Hispanic or Latino ^a	20,100	450	5,300	275	4,300	225	4,850	275	1,100	150	100	50	4,450	250
Not Hispanic or Latino ^b														
American Indian or Alaska Native	650	100	200	75	100	50	200	50	D	D	D	D	100	50
Asian	72,100	1,450	21,200	975	14,000	725	16,300	725	2,800	300	100	50	17,700	675
Black or African American	14,450	450	3,300	250	3,850	275	3,750	250	850	125	50	25	2,700	200
White	227,850	2,050	81,600	1,500	52,900	1,100	38,950	825	12,650	625	1,000	175	40,750	950
Other race ^c	6,200	325	1,350	175	1,400	200	1,400	175	250	75	D	D	1,750	175
Science	272,100	2,250	90,150	1,500	60,750	1,250	50,250	1,000	15,100	675	1,050	175	54,800	1,075
Hispanic or Latino ^a	16,550	450	4,250	275	3,450	225	3,950	275	950	150	100	50	3,800	250
Not Hispanic or Latino ^b														
American Indian or Alaska Native	500	100	150	50	100	50	200	50	D	D	D	D	50	50
Asian	51,400	1,200	14,500	775	10,150	650	11,300	625	2,300	275	50	50	13,050	525
Black or African American	11,400	425	2,800	250	2,950	250	2,900	250	700	125	50	25	2,000	200
White	186,850	1,850	67,150	1,250	42,900	1,075	30,800	725	10,900	575	850	175	34,300	800
Other race ^c	5,350	325	1,250	175	1,200	175	1,100	150	250	50	D	D	1,550	175
Biological, agricultural, and environmental life sciences	94,000	1,250	26,600	800	18,150	650	18,200	625	4,550	450	450	150	26,050	700
Hispanic or Latino ^a	5,700	300	1,100	125	950	125	1,300	125	300	75	D	D	2,050	200
Not Hispanic or Latino ^b														
American Indian or Alaska Native	50	25	D	D	S	S	50	25	D	D	D	D	D	D
Asian	19,850	625	4,300	400	3,450	400	4,550	450	750	175	D	D	6,750	375
Black or African American	3,050	225	500	75	700	150	950	125	150	50	D	D	750	100
White	63,600	1,125	20,500	750	12,650	575	11,000	425	3,250	375	350	125	15,850	550
Other race ^c	1,750	175	250	100	400	125	350	75	100	50	D	D	600	75
Computer and information sciences	12,400	550	4,200	400	3,400	275	3,050	275	500	150	D	D	1,200	175
Hispanic or Latino ^a	500	75	100	50	150	50	100	25	50	25	D	D	50	50
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	4,550	400	1,350	250	1,300	225	1,300	175	S	S	D	D	400	125
Black or African American	500	125	150	100	250	75	100	50	D	D	D	D	D	D
White	6,650	400	2,400	300	1,700	200	1,550	175	300	75	D	D	700	125
Other race ^c	S	S	S	S	D	D	S	S	D	D	D	D	D	D
Mathematics and statistics	19,900	725	7,950	450	5,150	400	3,800	275	1,250	150	D	D	1,700	200

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	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE
Hispanic or Latino ^a	1,150	150	450	100	200	50	350	75	50	25	D	D	100	50
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	4,950	425	1,900	300	1,200	200	1,300	200	200	75	D	D	400	100
Black or African American	650	100	100	50	250	75	150	50	100	50	D	D	D	D
White	12,950	550	5,450	350	3,500	325	1,950	225	900	125	D	D	1,100	175
Other race ^c	250	50	50	25	D	D	50	25	D	D	D	D	100	50
Physical sciences, geosciences, atmospheric sciences, and ocean sciences	46,050	950	16,200	675	8,700	500	6,400	350	2,600	250	150	50	12,000	500
Hispanic or Latino ^a	1,850	175	500	100	400	75	400	125	50	25	D	D	500	75
Not Hispanic or Latino ^b														
American Indian or Alaska Native	*	*	D	D	D	D	D	D	D	D	D	D	D	D
Asian	10,000	600	3,000	400	1,250	250	1,350	175	500	150	*	*	3,850	325
Black or African American	1,250	175	350	75	350	100	150	50	150	50	D	D	300	100
White	32,100	775	12,200	575	6,450	375	4,350	300	1,900	200	100	50	7,100	325
Other race ^c	800	125	150	50	200	75	100	50	50	25	D	D	250	75
Psychology	38,600	850	13,100	575	8,750	475	7,350	400	2,050	225	S	S	7,250	450
Hispanic or Latino ^a	2,650	225	650	125	650	125	700	125	100	75	D	D	550	100
Not Hispanic or Latino ^b														
American Indian or Alaska Native	100	50	D	D	D	D	50	50	D	D	D	D	D	D
Asian	3,600	350	1,250	250	800	200	550	125	200	100	D	D	800	125
Black or African American	2,250	200	650	125	450	125	500	100	150	75	D	D	500	125
White	28,750	725	10,200	475	6,550	375	5,350	375	1,500	200	S	S	5,050	425
Other race ^c	1,200	150	350	100	250	100	200	75	50	25	D	D	350	75
Social sciences	61,150	1,025	22,100	750	16,600	525	11,450	425	4,200	350	300	75	6,550	400
Hispanic or Latino ^a	4,650	300	1,450	200	1,150	150	1,150	150	350	125	D	D	550	100
Not Hispanic or Latino ^b														
American Indian or Alaska Native	250	75	100	50	50	50	100	50	D	D	D	D	D	D
Asian	8,500	500	2,700	350	2,150	300	2,250	225	550	150	D	D	850	150
Black or African American	3,700	275	1,100	150	950	150	1,050	150	150	50	D	D	450	75
White	42,800	825	16,450	575	12,000	450	6,550	350	3,050	275	250	75	4,500	325
Other race ^c	1,200	150	350	100	250	50	350	100	D	D	D	D	250	75
Engineering	47,200	1,100	17,100	725	9,600	575	9,250	500	1,750	200	100	50	9,450	525
Hispanic or Latino ^a	2,350	200	850	150	550	100	450	100	100	50	D	D	450	100

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	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE
Not Hispanic or Latino ^b														
American Indian or Alaska Native	S	S	D	D	D	D	D	D	D	D	D	D	D	D
Asian	16,950	775	5,950	525	2,850	350	3,950	350	250	100	D	D	3,950	375
Black or African American	1,300	150	300	100	350	75	200	75	150	50	D	D	300	75
White	26,100	800	9,900	550	5,800	400	4,550	375	1,200	175	100	50	4,600	350
Other race ^c	400	75	50	25	100	50	100	50	50	25	D	D	150	50
Health	22,100	575	5,750	350	6,200	350	5,950	300	900	175	S	S	3,250	250
Hispanic or Latino ^a	1,200	125	200	50	300	75	450	75	50	25	D	D	200	75
Not Hispanic or Latino ^b														
American Indian or Alaska Native	100	50	D	D	D	D	D	D	D	D	D	D	D	D
Asian	3,750	350	750	175	1,000	175	1,050	150	200	100	D	D	700	125
Black or African American	1,800	175	200	50	550	100	600	100	S	S	D	D	350	100
White	14,900	500	4,550	300	4,200	300	3,650	250	550	125	S	S	1,900	200
Other race ^c	400	75	S	S	100	50	200	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 individuals who reported being Native Hawaiian or Other Pacific Islander, single race, and those who reported being more than one race.**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 2023.

Source(s):

National Center for Science and Engineering Statistics, Survey of Doctorate Recipients, 2023.