

TABLE 22

U.S. residing employed doctoral scientists and engineers in 4-year educational institutions, by broad field of doctorate, ethnicity, race, and tenure status: 2023

(Number and SE)

Field of study, ethnicity, and race	All employed		Tenured		Not tenured				Tenure not applicable	
	Number	SE	Number	SE	On tenure track		Not on tenure track		Number	SE
					Number	SE	Number	SE		
All fields	341,350	2,475	155,100	1,900	48,750	1,025	51,250	1,200	86,250	1,250
Hispanic or Latino ^a	20,100	450	7,900	350	3,700	250	3,050	200	5,450	300
Not Hispanic or Latino ^b										
American Indian or Alaska Native	650	100	300	75	150	50	50	25	150	50
Asian	72,100	1,450	28,800	1,000	13,750	625	9,650	500	19,900	700
Black or African American	14,450	450	5,600	325	2,800	200	2,450	225	3,600	225
White	227,850	2,050	110,300	1,700	27,250	800	35,150	1,050	55,200	950
Other race ^c	6,200	325	2,250	225	1,100	150	800	125	2,000	175
Science	272,100	2,250	124,200	1,625	37,050	875	40,750	1,075	70,100	1,075
Hispanic or Latino ^a	16,550	450	6,450	350	3,050	225	2,450	200	4,600	275
Not Hispanic or Latino ^b										
American Indian or Alaska Native	500	100	200	75	150	50	50	25	100	50
Asian	51,400	1,200	19,750	850	9,500	550	7,550	425	14,650	550
Black or African American	11,400	425	4,600	300	2,100	175	1,950	200	2,800	200
White	186,850	1,850	91,200	1,400	21,400	700	28,100	925	46,150	800
Other race ^c	5,350	325	2,000	225	900	125	700	125	1,800	175
Biological, agricultural, and environmental life sciences	94,000	1,250	34,100	950	13,050	550	16,650	750	30,200	675
Hispanic or Latino ^a	5,700	300	1,500	150	950	125	1,050	125	2,200	200
Not Hispanic or Latino ^b										
American Indian or Alaska Native	50	25	D	D	S	S	D	D	S	S
Asian	19,850	625	5,100	450	3,750	375	3,700	350	7,300	400
Black or African American	3,050	225	900	150	550	100	550	100	1,050	125
White	63,600	1,125	26,100	825	7,500	425	11,100	625	18,950	575
Other race ^c	1,750	175	500	150	300	75	250	75	650	75
Computer and information sciences	12,400	550	6,300	425	2,950	250	1,150	175	2,000	225
Hispanic or Latino ^a	500	75	200	50	50	25	100	50	100	50
Not Hispanic or Latino ^b										
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D	D
Asian	4,550	400	2,300	300	1,300	175	250	100	700	150
Black or African American	500	125	250	75	150	50	S	S	S	S
White	6,650	400	3,450	350	1,350	175	750	150	1,050	150
Other race ^c	S	S	S	S	D	D	D	D	D	D

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(Number and SE)

Field of study, ethnicity, and race	All employed		Tenured		Not tenured				Tenure not applicable	
	Number	SE	Number	SE	On tenure track		Not on tenure track		Number	SE
					Number	SE	Number	SE		
Mathematics and statistics	19,900	725	11,600	550	2,950	250	2,200	225	3,100	225
Hispanic or Latino ^a	1,150	150	600	100	200	75	200	50	150	50
Not Hispanic or Latino ^b										
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D	D
Asian	4,950	425	2,850	325	1,050	175	400	100	600	125
Black or African American	650	100	350	75	100	50	100	50	100	50
White	12,950	550	7,750	425	1,550	200	1,450	200	2,200	200
Other race ^c	250	50	S	S	50	25	D	D	100	50
Physical sciences, geosciences, atmospheric sciences, and ocean sciences	46,050	950	21,150	775	4,650	350	6,500	400	13,750	525
Hispanic or Latino ^a	1,850	175	800	100	350	125	150	50	600	100
Not Hispanic or Latino ^b										
American Indian or Alaska Native	*	*	D	D	D	D	D	D	D	D
Asian	10,000	600	3,550	425	1,000	175	1,750	250	3,750	325
Black or African American	1,250	175	600	125	200	75	250	100	200	75
White	32,100	775	15,950	625	3,050	250	4,200	300	8,900	375
Other race ^c	800	125	300	75	50	25	150	50	300	75
Psychology	38,600	850	17,250	650	4,400	300	6,300	425	10,700	500
Hispanic or Latino ^a	2,650	225	1,000	150	500	100	450	125	700	125
Not Hispanic or Latino ^b										
American Indian or Alaska Native	100	50	D	D	50	50	D	D	D	D
Asian	3,600	350	1,650	250	300	100	500	150	1,100	175
Black or African American	2,250	200	750	150	400	100	500	125	600	125
White	28,750	725	13,300	550	3,000	300	4,700	350	7,750	425
Other race ^c	1,200	150	450	100	150	75	100	50	450	100
Social sciences	61,150	1,025	33,800	900	9,100	400	7,900	475	10,350	500
Hispanic or Latino ^a	4,650	300	2,350	250	950	150	500	75	850	150
Not Hispanic or Latino ^b										
American Indian or Alaska Native	250	75	150	75	50	25	D	D	50	50
Asian	8,500	500	4,300	400	2,100	225	950	175	1,150	175
Black or African American	3,700	275	1,800	175	750	100	450	125	750	100
White	42,800	825	24,700	725	4,950	325	5,850	375	7,250	400
Other race ^c	1,200	150	500	100	300	100	150	50	300	100

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					Number	SE	Number	SE		
Engineering	47,200	1,100	22,550	850	7,650	450	6,050	450	10,950	550
Hispanic or Latino ^a	2,350	200	1,100	150	350	75	400	75	550	100
Not Hispanic or Latino ^b										
American Indian or Alaska Native	S	S	D	D	D	D	D	D	D	D
Asian	16,950	775	7,600	575	3,550	325	1,450	225	4,300	375
Black or African American	1,300	150	500	125	200	50	250	75	300	75
White	26,100	800	13,150	650	3,450	300	3,850	350	5,650	375
Other race ^c	400	75	100	50	50	50	100	50	150	50
Health	22,100	575	8,350	425	4,050	275	4,450	300	5,250	375
Hispanic or Latino ^a	1,200	125	350	75	300	75	250	75	300	75
Not Hispanic or Latino ^b										
American Indian or Alaska Native	100	50	D	D	D	D	D	D	D	D
Asian	3,750	350	1,450	250	650	125	650	150	1,000	150
Black or African American	1,800	175	500	100	500	100	300	50	500	100
White	14,900	500	5,950	350	2,400	225	3,200	275	3,400	300
Other race ^c	400	75	150	75	150	50	50	50	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.