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: 2021

(Number and SE)

Field of study, ethnicity, and race	All employed		Tenured		Not tenured				Tenure not applicable	
					On tenure track		Not on tenure track			
	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE
All fields	340,950	2,450	157,000	1,775	50,550	1,025	53,550	1,225	79,850	1,425
Hispanic or Latino[a]	17,300	525	6,750	300	3,350	225	2,900	225	4,300	250
Not Hispanic or Latino[b]										
American Indian or Alaska Native	600	100	300	75	100	50	100	50	100	50
Asian	69,800	1,375	28,000	900	12,800	575	11,850	700	17,200	800
Black or African American	13,650	425	5,500	325	2,800	200	2,200	225	3,150	225
White	233,700	2,075	114,400	1,450	30,400	775	35,600	975	53,300	1,225
Other race[c]	5,850	325	2,050	225	1,050	125	950	150	1,750	200
Science	272,450	2,175	125,900	1,600	38,000	950	43,150	1,025	65,400	1,350
Hispanic or Latino[a]	14,050	475	5,450	250	2,750	225	2,300	200	3,550	250
Not Hispanic or Latino[b]										
American Indian or Alaska Native	450	75	250	75	100	50	50	25	100	50
Asian	50,500	1,175	19,050	725	8,950	525	9,150	625	13,350	700
Black or African American	10,600	375	4,450	300	2,100	200	1,550	200	2,500	225
White	192,150	1,925	95,100	1,450	23,250	725	29,350	850	44,450	1,175
Other race[c]	4,700	300	1,650	200	850	125	800	150	1,400	200
Biological, agricultural, and environmental life sciences	95,500	1,375	35,900	1,000	12,550	550	18,150	650	28,900	850
Hispanic or Latino[a]	4,850	275	1,350	125	900	125	950	125	1,650	200
Not Hispanic or Latino[b]										
American Indian or Alaska Native	150	50	50	25	D	D	D	D	50	25
Asian	20,600	850	5,500	450	3,100	350	4,950	450	7,100	500
Black or African American	2,800	225	950	125	450	75	450	75	950	150
White	65,500	1,200	27,550	950	7,800	425	11,450	500	18,700	700
Other race[c]	1,600	200	500	150	250	50	350	125	500	75
Computer and information sciences	11,850	450	6,100	400	2,800	275	1,150	200	1,800	250
Hispanic or Latino[a]	400	75	200	50	100	50	100	50	50	25
Not Hispanic or Latino[b]										
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D	D
Asian	4,300	350	2,150	300	1,250	200	350	125	600	150
Black or African American	350	100	150	75	150	50	*	*	D	D
White	6,500	375	3,400	325	1,300	200	700	125	1,100	200
Other race[c]	250	125	S	S	D	D	D	D	50	25
Mathematics and statistics	20,250	625	11,650	475	3,000	300	2,850	300	2,800	275
Hispanic or Latino[a]	1,000	100	450	75	200	50	200	75	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	375	2,800	300	1,000	225	500	150	650	150
Black or African American	600	100	200	50	250	100	100	50	50	25
White	13,500	550	8,150	425	1,500	200	1,950	250	1,900	225
Other race[c]	200	50	50	25	S	S	50	25	S	S
Physical sciences, geosciences, atmospheric sciences, and ocean sciences	45,900	1,025	21,100	725	5,300	325	7,400	500	12,100	625
Hispanic or Latino[a]	1,650	150	750	100	250	50	200	50	450	75
Not Hispanic or Latino[b]										
American Indian or Alaska Native	D	D	D	D	D	D	D	D	D	D

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: 2021

(Number and SE)

Field of study, ethnicity, and race	All employed		Tenured		Not tenured				Tenure not applicable	
					On tenure track		Not on tenure track			
	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE
Asian	10,200	625	3,650	425	1,150	200	2,000	325	3,450	325
Black or African American	1,100	150	400	75	200	75	250	100	250	75
White	32,150	850	16,050	650	3,550	300	4,900	350	7,600	475
Other race[c]	750	150	200	75	150	50	50	25	350	125
Psychology	38,700	800	17,750	650	4,750	325	5,950	375	10,250	475
Hispanic or Latino[a]	2,450	225	900	125	400	75	400	100	750	150
Not Hispanic or Latino[b]										
American Indian or Alaska Native	50	25	50	25	D	D	D	D	D	D
Asian	2,900	250	1,300	175	450	125	450	100	700	150
Black or African American	2,200	225	850	175	300	75	450	125	550	125
White	30,150	700	14,350	575	3,450	300	4,500	375	7,850	450
Other race[c]	950	150	300	75	150	50	150	75	350	100
Social sciences	60,250	950	33,500	725	9,650	475	7,600	400	9,500	500
Hispanic or Latino[a]	3,750	250	1,800	150	950	175	450	75	550	75
Not Hispanic or Latino[b]										
American Indian or Alaska Native	250	75	150	75	50	25	D	D	S	S
Asian	7,500	450	3,650	300	2,050	250	900	175	850	175
Black or African American	3,500	225	1,900	200	650	125	300	75	650	100
White	44,350	850	25,600	675	5,650	350	5,800	325	7,250	450
Other race[c]	950	125	400	100	300	75	100	50	150	50
Engineering	46,850	1,150	23,050	775	8,400	475	5,850	425	9,550	450
Hispanic or Latino[a]	2,300	175	1,050	125	350	75	400	100	550	125
Not Hispanic or Latino[b]										
American Indian or Alaska Native	50	50	S	S	D	D	D	D	D	D
Asian	16,100	700	7,700	525	3,250	325	1,900	275	3,250	300
Black or African American	1,500	150	650	125	300	75	250	75	300	75
White	26,200	850	13,250	575	4,400	375	3,250	300	5,250	300
Other race[c]	700	150	300	125	100	50	50	25	200	75
Health	21,600	600	8,050	450	4,100	250	4,550	375	4,900	325
Hispanic or Latino[a]	900	100	250	75	250	50	200	75	200	50
Not Hispanic or Latino[b]										
American Indian or Alaska Native	50	50	D	D	D	D	D	D	D	D
Asian	3,250	300	1,250	175	600	125	800	175	600	125
Black or African American	1,600	150	400	75	450	75	400	125	350	75
White	15,400	525	6,000	400	2,750	250	3,000	325	3,600	300
Other race[c]	450	100	100	50	100	50	100	50	150	75

* = 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 2021.

Source(s):
National Center for Science and Engineering Statistics, Survey of Doctorate Recipients, 2021.