

TABLE 31

U.S. residing doctoral scientists and engineers, by broad occupation, employment status, ethnicity, and race: 2023

(Number and SE)

Occupation and employment status	Total		Hispanic or Latino ^a		Not Hispanic or Latino ^b									
					American Indian or Alaska Native		Asian		Black or African American		White		Other race ^c	
	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE
All occupations	1,058,700	1,900	52,350	700	2,050	150	263,950	1,675	40,200	475	682,400	1,700	17,750	550
Full time	803,700	2,550	42,650	675	1,400	150	224,550	2,000	31,650	525	488,950	2,050	14,450	500
Part time	104,950	1,600	4,750	300	300	100	16,300	925	4,400	325	77,700	1,375	1,500	175
Unemployed ^d	11,050	525	700	125	S	S	3,000	300	750	150	6,350	400	250	75
Retired	122,450	1,250	3,350	275	150	50	16,100	750	2,750	225	98,900	1,200	1,200	200
Not employed and not seeking work ^e	16,450	700	950	125	100	50	4,000	400	650	125	10,450	475	350	75
Science occupations	566,250	2,850	28,550	575	950	125	142,800	1,675	18,300	450	366,250	2,475	9,350	400
Full time	443,700	2,625	24,050	550	750	100	123,850	1,675	14,850	400	272,250	2,075	7,950	375
Part time	45,600	950	2,050	200	100	50	7,850	625	1,750	175	33,150	825	700	125
Unemployed ^d	6,000	375	400	100	D	D	1,800	250	300	100	3,350	300	100	50
Retired	61,800	1,300	1,600	200	50	25	6,750	500	1,150	175	51,800	1,125	450	100
Not employed and not seeking work ^e	9,150	525	450	75	D	D	2,550	325	250	100	5,700	375	200	75
Biological, agricultural, and other life scientists	196,350	1,675	10,600	425	300	100	48,300	975	5,750	300	127,800	1,550	3,600	250
Full time	154,650	1,450	9,250	400	250	100	42,300	900	4,750	250	94,850	1,325	3,200	250
Part time	13,500	575	550	100	D	D	2,150	300	450	100	10,150	500	200	75
Unemployed ^d	2,350	250	200	75	D	D	650	150	50	25	1,450	200	D	D
Retired	21,500	750	350	100	D	D	1,850	250	350	100	18,900	700	S	S
Not employed and not seeking work ^e	4,300	425	250	75	D	D	1,350	275	S	S	2,500	275	100	50
Computer and information scientists	86,500	1,350	2,650	200	S	S	38,400	975	1,600	175	42,800	950	1,050	175
Full time	71,550	1,200	2,200	175	S	S	34,000	950	1,300	175	33,150	800	950	150
Part time	5,350	425	100	50	D	D	1,800	300	150	50	3,250	300	50	25
Unemployed ^d	1,150	200	100	50	D	D	400	100	D	D	600	150	D	D
Retired	7,450	475	250	75	D	D	1,700	250	100	50	5,400	375	D	D
Not employed and not seeking work ^e	950	200	S	S	D	D	500	175	D	D	400	125	D	D
Mathematical scientists	54,250	1,050	2,450	200	50	25	18,800	750	1,500	150	30,650	850	800	125
Full time	44,650	1,000	2,100	200	D	D	16,500	650	1,250	150	24,200	850	650	100
Part time	4,000	325	200	75	D	D	950	175	150	50	2,550	275	100	50
Unemployed ^d	700	175	50	25	D	D	350	150	D	D	250	75	D	D
Retired	4,200	300	100	50	D	D	850	225	D	D	3,200	225	D	D
Not employed and not seeking work ^e	700	150	D	D	D	D	150	75	D	D	450	125	D	D
Physical scientists	104,900	1,375	4,200	250	100	50	23,150	900	3,100	225	72,750	1,125	1,500	150
Full time	80,500	1,150	3,600	225	100	25	19,600	775	2,550	200	53,450	975	1,300	150

TABLE 31

U.S. residing doctoral scientists and engineers, by broad occupation, employment status, ethnicity, and race: 2023

(Number and SE)

Occupation and employment status	Total		Hispanic or Latino ^a		Not Hispanic or Latino ^b									
					American Indian or Alaska Native		Asian		Black or African American		White		Other race ^c	
	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE
Part time	7,850	500	250	50	D	D	1,450	250	300	75	5,750	375	100	50
Unemployed ^d	900	175	D	D	D	D	250	75	D	D	600	150	D	D
Retired	14,150	650	350	100	D	D	1,600	250	200	50	11,950	575	100	50
Not employed and not seeking work ^e	1,450	175	S	S	D	D	300	100	S	S	1,050	150	D	D
Psychologists	42,400	925	2,650	250	150	75	3,200	350	1,800	175	33,650	775	950	150
Full time	30,200	825	2,000	200	100	50	2,550	275	1,450	175	23,400	700	750	150
Part time	6,250	450	350	125	D	D	400	175	150	50	5,200	400	100	50
Unemployed ^d	250	75	D	D	D	D	D	D	D	D	150	75	D	D
Retired	5,100	350	250	100	D	D	150	75	150	50	4,450	325	D	D
Not employed and not seeking work ^e	600	150	D	D	D	D	D	D	D	D	450	125	D	D
Social scientists	81,800	1,200	5,950	300	300	75	10,950	575	4,550	275	58,600	975	1,500	150
Full time	62,100	1,200	4,900	275	200	75	9,000	550	3,550	225	43,300	1,000	1,150	150
Part time	8,650	500	600	125	100	50	1,050	225	550	125	6,250	375	100	50
Unemployed ^d	600	100	S	S	D	D	150	75	100	50	300	75	D	D
Retired	9,350	500	350	75	D	D	600	175	300	100	7,900	475	200	75
Not employed and not seeking work ^e	1,050	200	50	25	D	D	S	S	D	D	850	175	D	D
Engineering occupations	142,000	1,700	6,050	250	100	50	56,800	1,125	3,500	225	73,900	1,250	1,700	225
Full time	118,950	1,500	5,350	250	100	50	49,650	1,100	3,200	225	59,300	1,025	1,300	200
Part time	8,600	575	200	50	D	D	2,700	350	150	50	5,450	425	S	S
Unemployed ^d	1,350	250	50	25	D	D	500	125	D	D	800	200	D	D
Retired	11,700	550	300	75	D	D	3,550	375	100	50	7,450	475	250	125
Not employed and not seeking work ^e	1,400	225	100	50	D	D	350	100	D	D	900	200	D	D
S&E-related occupations	161,700	1,950	8,800	375	450	100	29,600	1,000	7,900	400	111,850	1,675	3,100	300
Full time	110,600	1,800	6,450	300	250	75	23,850	975	5,700	350	71,850	1,500	2,400	250
Part time	24,850	775	1,450	175	100	50	2,650	350	1,300	200	19,050	750	300	75
Unemployed ^d	1,450	225	S	S	D	D	300	100	200	100	900	200	D	D
Retired	22,600	775	600	125	50	25	2,450	325	600	125	18,600	675	350	100
Not employed and not seeking work ^e	2,200	275	200	75	D	D	400	150	100	50	1,450	225	50	25
Non-S&E occupations	188,750	2,125	9,000	350	550	100	34,750	1,050	10,500	400	130,350	1,750	3,600	250
Full time	130,500	1,800	6,800	325	350	75	27,150	925	7,850	375	85,500	1,475	2,800	225
Part time	25,900	825	1,000	125	150	75	3,100	350	1,200	175	20,100	725	400	100
Unemployed ^d	2,250	225	200	75	D	D	450	150	250	75	1,300	150	50	50

TABLE 31

U.S. residing doctoral scientists and engineers, by broad occupation, employment status, ethnicity, and race: 2023

(Number and SE)

Occupation and employment status	Total		Hispanic or Latino ^a		Not Hispanic or Latino ^b									
					American Indian or Alaska Native		Asian		Black or African American		White		Other race ^c	
	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE
Retired	26,400	775	800	125	S	S	3,350	450	900	125	21,100	700	200	75
Not employed and not seeking work ^e	3,700	350	250	50	D	D	700	175	300	100	2,400	250	100	50

D = suppressed to avoid disclosure of confidential information. S = suppressed for reliability; coefficient of variation exceeds publication standards.

S&E = science and engineering; 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.

^d Unemployed includes individuals who were not working during the survey reference week but had been seeking work in the prior 4 weeks or who were on layoff from their job.

^e Not employed and not seeking work includes individuals who were not working during the survey reference week and had not been seeking work in the prior 4 weeks because of family responsibilities, chronic illness, or other reasons.

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. If respondent was not employed during survey reference period, occupation when last employed was reported. Excludes individuals who reported never having worked so could not be classified by occupation. Designation of full-time and part-time employment status is based on principal job only, not on all jobs held in labor force. For example, an individual could work part time in his or her principal job but full time in the labor force. Full time is based on working 35 or more hours per week. 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.