

TABLE 34

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

(Number and SE)

Occupation	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
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
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
Agricultural, food scientists	13,700	525	1,100	125	D	D	3,150	300	600	75	8,650	400	150	50
Biochemists, biophysicists	19,900	650	1,100	175	D	D	7,300	500	250	75	10,950	525	300	100
Biological scientists	34,100	700	2,150	175	S	S	8,050	500	1,000	150	22,150	625	700	100
Forestry, conservation scientists	3,450	250	150	50	D	D	200	75	50	25	2,900	225	50	25
Medical scientists	52,800	1,025	2,400	250	50	50	13,850	625	1,850	200	33,500	875	1,150	150
Postsecondary teachers, agricultural, other natural sciences	7,000	375	300	75	D	D	1,000	175	300	75	5,300	350	50	50
Postsecondary teachers, biological sciences	39,800	950	1,900	150	50	50	5,650	500	1,050	175	30,350	850	750	150
Other biological, agricultural, life scientists	25,650	775	1,550	150	D	D	9,050	550	650	100	14,000	625	450	100
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
Computer and information scientists	74,150	1,375	2,150	175	S	S	33,700	975	1,100	150	36,300	950	900	125
Postsecondary teachers, computer science	12,350	550	500	125	D	D	4,700	375	500	125	6,450	425	S	S
Mathematical scientists	54,250	1,050	2,450	200	50	25	18,800	750	1,500	150	30,650	850	800	125
Mathematical scientists	33,000	850	1,200	125	D	D	13,750	675	800	125	16,550	625	600	125
Postsecondary teachers, mathematics, statistics	21,250	700	1,250	150	D	D	5,000	450	700	100	14,100	550	200	50
Physical scientists	104,900	1,375	4,200	250	100	50	23,150	900	3,100	225	72,750	1,125	1,500	150
Chemists, except biochemists	25,900	800	900	100	50	25	7,650	550	950	125	16,000	650	350	75
Earth, atmospheric, ocean scientists	16,700	600	650	100	*	*	3,600	325	300	75	11,850	450	250	50
Physicists, astronomers	16,750	725	700	150	D	D	3,650	350	250	125	11,900	600	250	75
Postsecondary teachers, chemistry	18,900	775	800	150	D	D	3,300	450	1,000	150	13,550	575	250	75
Postsecondary teachers, physics	11,450	600	400	75	D	D	2,250	350	250	75	8,350	550	150	50
Postsecondary teachers, other physical science	8,200	325	500	100	D	D	900	150	250	75	6,400	275	150	50
Other physical scientists	7,050	425	300	75	D	D	1,800	250	100	50	4,700	350	S	S
Psychologists	42,400	925	2,650	250	150	75	3,200	350	1,800	175	33,650	775	950	150
Psychologists	19,750	750	1,200	200	D	D	1,650	225	750	125	15,700	650	450	125
Postsecondary teachers, psychology	22,650	750	1,450	175	100	50	1,550	275	1,050	150	17,950	675	500	100
Social scientists	81,800	1,200	5,950	300	300	75	10,950	575	4,550	275	58,600	975	1,500	150
Economists	10,750	500	900	125	D	D	2,300	275	350	100	7,000	400	150	75
Political scientists	2,700	250	250	125	D	D	100	50	100	50	2,200	250	50	25
Postsecondary teachers, economics	12,050	500	750	150	D	D	2,100	250	550	100	8,500	475	150	75
Postsecondary teachers, political science	10,800	525	650	125	D	D	1,400	250	650	125	7,900	475	200	50
Postsecondary teachers, sociology	8,850	400	700	100	D	D	1,050	225	800	150	6,000	350	250	75

TABLE 34

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

(Number and SE)

Occupation	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
Postsecondary teachers, other social sciences	19,100	625	1,550	175	100	50	1,900	225	1,050	150	14,150	500	300	75
Sociologists, anthropologists	4,900	275	350	75	D	D	400	125	200	50	3,850	275	100	50
Other social scientists	12,750	525	800	125	100	50	1,600	225	900	125	9,100	450	250	75
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
Aerospace, aeronautical, astronautical engineers	8,550	450	550	100	D	D	1,750	225	250	75	5,900	400	150	50
Chemical engineers	9,200	550	350	75	D	D	3,700	350	250	75	4,850	425	50	50
Civil, architectural, sanitary engineers	8,300	500	300	75	D	D	3,150	375	400	100	4,400	350	S	S
Electrical engineers	32,700	1,075	1,050	125	D	D	15,950	700	800	125	14,300	725	600	175
Industrial engineers	1,450	225	200	50	D	D	350	100	50	25	800	225	D	D
Mechanical engineers	15,150	725	400	75	D	D	7,450	600	250	75	6,800	450	250	100
Postsecondary teachers, engineering	27,550	875	1,450	175	D	D	8,850	575	750	100	16,300	650	200	50
Other engineers	39,100	1,150	1,750	150	*	*	15,650	800	800	100	20,550	750	400	75
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
Health occupations, except postsecondary teachers and managers	85,900	1,425	5,400	325	200	75	11,650	575	4,700	300	62,200	1,300	1,750	200
Postsecondary teachers, health and related science	24,400	750	1,100	150	100	50	4,050	400	1,400	150	17,350	700	400	75
S&E managers, including health	38,550	1,100	1,700	200	100	50	11,100	700	1,400	175	23,700	725	550	100
S&E precollege teachers	5,900	400	350	100	D	D	450	125	200	75	4,600	325	300	150
S&E technicians and technologists	5,650	425	250	75	D	D	1,850	300	150	75	3,400	300	100	50
Other S&E-related occupations	1,250	200	D	D	D	D	550	150	D	D	600	150	D	D
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
Arts, humanities-related occupations	12,150	525	450	75	D	D	1,300	175	400	100	9,750	500	200	50
Management-related occupations	40,650	1,150	2,200	225	100	50	9,950	575	2,450	225	25,150	875	800	150
Non-S&E managers	65,700	1,325	2,700	200	200	75	12,750	700	3,450	275	45,500	1,100	1,100	175
Non-S&E postsecondary teachers	24,800	800	1,600	150	100	50	4,000	350	1,500	200	17,050	675	500	100
Non-S&E precollege and other teachers	8,050	500	400	100	D	D	1,300	225	450	125	5,700	425	200	75
Sales, marketing occupations	8,300	450	250	50	D	D	1,850	250	500	125	5,450	375	150	50
Social service-related occupations	9,100	475	450	75	50	25	650	150	900	125	6,900	475	150	50
Other non-S&E occupations	20,000	725	800	100	D	D	2,950	350	900	150	14,900	650	450	100

* = suppressed when population estimate < 25. 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.

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. 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.