TABLE 34

U.S. residing doctoral scientists and engineers, by occupation, ethnicity, and race: 2021

(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	1,021,950	1,950	44,700	475	1,700	125	241,200	1,400	36,150	400	680,150	1,575	18,100	625
Science occupations	585,800	2,750	26,900	500	800	100	129,500	1,475	18,750	475	399,450	2,500	10,400	525
Biological, agricultural, and other life scientists	186,900	1,825	8,800	350	200	50	44,750	1,075	5,100	300	124,400	1,600	3,550	275
Agricultural, food scientists	13,100	600	950	125	D	D	2,700	250	650	100	8,650	550	100	50
Biochemists, biophysicists	20,750	750	700	125	D	D	7,500	475	300	100	11,850	600	400	125
Biological scientists	29,650	850	1,700	200	50	25	6,300	475	700	125	20,300	725	600	100
Forestry, conservation scientists	2,900	250	150	75	D	D	100	50	*	*	2,550	250	50	25
Medical scientists	47,300	1,000	1,800	175	50	25	13,300	625	1,300	150	29,800	875	1,050	150
Postsecondary teachers, agricultural, other natural sciences	6,450	375	250	50	D	D	1,100	200	300	75	4,750	325	50	50
Postsecondary teachers, biological sciences	41,050	1,050	1,800	125	S	S	5,250	450	900	125	32,250	950	800	150
Other biological, agricultural, life scientists	25,600	900	1,450	175	D	D	8,500	575	900	175	14,300	600	450	100
Computer and information scientists	74,150	1,025	2,050	150	D	D	32,000	875	1,200	125	37,600	975	1,300	250
Computer and information scientists	62,400	1,150	1,600	125	D	D	27,850	925	850	125	31,050	925	1,050	200
Postsecondary teachers, computer science	11,750	600	450	75	D	D	4,150	400	350	75	6,550	425	250	125
Mathematical scientists	49,750	950	2,200	175	*	*	16,400	650	1,300	125	29,050	725	750	125
Mathematical scientists	27,700	800	1,150	150	D	D	11,200	575	650	75	14,150	575	550	125
Postsecondary teachers, mathematics, statistics	22,050	675	1,050	125	D	D	5,200	400	650	100	14,850	525	200	50
Physical scientists	101,300	1,425	3,700	200	100	50	21,400	900	2,400	175	71,900	1,225	1,700	200
Chemists, except biochemists	26,300	725	850	125	50	25	7,300	475	750	100	16,900	650	500	150
Earth, atmospheric, ocean scientists	13,950	450	450	50	S	S	2,850	250	200	50	10,200	400	300	75
Physicists, astronomers	15,850	700	400	75	D	D	3,250	400	100	50	11,850	575	250	75
Postsecondary teachers, chemistry	19,450	750	850	100	D	D	3,250	350	900	125	14,300	625	150	50
Postsecondary teachers, physics	11,900	600	550	125	D	D	2,500	375	200	50	8,450	525	200	75
Postsecondary teachers, other physical science	7,850	375	400	75	D	D	950	200	150	50	6,300	325	100	50
Other physical scientists	5,900	425	250	75	D	D	1,350	250	100	50	4,000	325	S	S
Psychologists	92,550	950	5,000	225	250	75	4,850	375	4,150	325	76,600	900	1,750	200
Psychologists	68,600	1,000	3,600	225	200	50	3,150	325	2,950	300	57,500	1,000	1,250	175

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					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, psychology	23,900	825	1,400	150	100	50	1,700	250	1,200	150	19,100	750	450	125
Social scientists	81,200	1,225	5,100	300	200	50	10,100	500	4,550	225	59,900	1,150	1,350	150
Economists	10,800	425	1,000	150	D	D	2,500	275	500	100	6,600	400	200	100
Political scientists	2,600	325	250	125	D	D	100	50	150	50	2,050	275	S	S
Postsecondary teachers, economics	12,750	625	500	75	D	D	2,250	250	550	100	9,350	525	100	50
Postsecondary teachers, political science	11,250	550	450	125	D	D	900	175	700	150	9,000	500	200	50
Postsecondary teachers, sociology	9,550	450	750	150	D	D	900	200	750	150	6,900	400	200	75
Postsecondary teachers, other social sciences	18,150	550	1,250	125	100	50	1,750	225	950	100	13,800	500	300	75
Sociologists, anthropologists	4,900	375	250	50	D	D	200	75	250	75	4,100	350	100	50
Other social scientists	11,200	525	650	125	D	D	1,500	225	750	100	8,050	425	200	50
Engineering occupations	138,100	1,575	5,250	225	150	50	54,400	1,125	3,300	225	72,850	1,250	2,150	275
Aerospace, aeronautical, astronautical engineers	8,000	450	450	75	D	D	1,800	250	100	50	5,500	375	100	50
Chemical engineers	10,050	500	400	75	D	D	4,150	350	300	75	5,050	400	150	75
Civil, architectural, sanitary engineers	8,050	450	250	50	D	D	3,250	375	300	75	4,150	350	S	S
Electrical engineers	29,850	875	850	100	D	D	14,400	625	600	125	13,500	650	500	125
Industrial engineers	1,550	225	100	50	D	D	650	125	50	25	700	150	S	S
Mechanical engineers	16,150	650	400	75	D	D	7,900	525	200	75	7,350	450	250	125
Postsecondary teachers, engineering	28,550	775	1,400	125	50	25	8,700	550	950	125	16,950	700	500	175
Other engineers	35,900	925	1,400	125	50	25	13,550	625	750	100	19,600	675	550	100
S&E-related occupations	119,200	1,700	4,450	250	250	75	26,850	1,000	5,450	350	80,250	1,300	1,900	200
Health occupations, except postsecondary teachers and managers	36,550	975	1,450	150	100	50	8,100	550	1,900	200	24,250	725	850	125
Postsecondary teachers, health and related science	28,650	875	900	125	100	50	4,650	400	1,850	200	20,800	750	300	75
S&E managers, including health	35,350	1,025	1,350	150	50	25	9,350	650	1,000	150	23,050	825	500	125
S&E precollege teachers	7,100	400	350	75	D	D	550	125	450	100	5,650	375	100	50
S&E technicians/ technologists	10,400	625	400	75	D	D	3,600	350	200	75	6,050	450	150	50
Other S&E-related occupations	1,150	175	*	*	D	D	600	125	D	D	500	150	D	D
Non-S&E occupations	178,900	1,950	8,100	350	500	100	30,450	950	8,650	350	127,550	1,700	3,650	325
Arts, humanities-related occupations	11,500	600	350	75	D	D	1,500	250	350	100	8,850	500	450	150
Management-related occupations	35,200	1,025	1,600	150	50	25	7,500	475	1,750	175	23,400	700	900	200
Non-S&E managers	70,100	1,350	2,750	200	250	100	12,300	675	3,150	225	50,750	1,250	850	125

TABLE 34

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(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
Non-S&E postsecondary teachers	21,050	675	1,550	175	100	50	3,200	300	1,050	125	14,800	550	350	100
Non-S&E precollege/ other teachers	5,950	475	300	75	D	D	650	125	350	100	4,400	400	200	75
Sales, marketing occupations	10,800	600	350	75	D	D	2,850	300	400	100	7,000	475	250	75
Social service-related occupations	7,600	400	450	125	D	D	450	100	900	125	5,600	375	100	50
Other non-S&E occupations	16,750	650	700	125	50	25	2,000	250	700	100	12,800	600	500	175

* = 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 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. 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 2021.

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