TABLE 33

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

(Number and SE)

Occupation	Total		Male		Female	
	Number	SE	Number	SE	Number	SE
All occupations	1,021,950	1,950	639,450	1,975	382,500	1,050
Science occupations	585,800	2,750	355,250	2,300	230,550	1,600
Biological, agricultural, and other life scientists	186,900	1,825	106,500	1,475	80,400	1,050
Agricultural, food scientists	13,100	600	8,900	475	4,200	300
Biochemists, biophysicists	20,750	750	13,700	650	7,050	400
Biological scientists	29,650	850	16,400	750	13,300	525
Forestry, conservation scientists	2,900	250	2,000	225	900	125
Medical scientists	47,300	1,000	24,450	800	22,850	700
Postsecondary teachers, agricultural, other natural sciences	6,450	375	4,250	300	2,250	225
Postsecondary teachers, biological sciences	41,050	1,050	23,950	850	17,150	650
Other biological, agricultural, life scientists	25,600	900	12,900	600	12,700	600
Computer and information scientists	74,150	1,025	60,150	1,025	14,000	450
Computer and information scientists	62,400	1,150	51,100	1,125	11,300	450
Postsecondary teachers, computer science	11,750	600	9,000	575	2,700	250
Mathematical scientists	49,750	950	35,300	850	14,450	500
Mathematical scientists	27,700	800	18,950	775	8,750	425
Postsecondary teachers, mathematics, statistics	22,050	675	16,350	550	5,700	325
Physical scientists	101,300	1,425	75,150	1,275	26,150	650
Chemists, except biochemists	26,300	725	19,700	650	6,600	400
Earth, atmospheric, ocean scientists	13,950	450	10,100	400	3,850	225
Physicists, astronomers	15,850	700	13,500	650	2,350	225
Postsecondary teachers, chemistry	19,450	750	12,450	650	7,050	375
Postsecondary teachers, physics	11,900	600	9,750	550	2,200	225
Postsecondary teachers, other physical science	7,850	375	5,350	325	2,550	175
Other physical scientists	5,900	425	4,350	400	1,600	200
Psychologists	92,550	950	34,000	775	58,550	850
Psychologists	68,600	1,000	23,550	825	45,050	825
Postsecondary teachers, psychology	23,900	825	10,450	575	13,500	475
Social scientists	81,200	1,225	44,200	975	37,000	800
Economists	10,800	425	7,150	350	3,650	275
Political scientists	2,600	325	1,500	250	1,100	200
Postsecondary teachers, economics	12,750	625	9,450	575	3,300	300
Postsecondary teachers, political science	11,250	550	7,650	500	3,600	300
Postsecondary teachers, sociology	9,550	450	4,150	325	5,400	350
Postsecondary teachers, other social sciences	18,150	550	8,100	425	10,050	450
Sociologists, anthropologists	4,900	375	2,300	300	2,650	225
Other social scientists	11,200	525	3,900	300	7,250	375
Engineering occupations	138,100	1,575	115,050	1,525	23,050	650
Aerospace, aeronautical, astronautical engineers	8,000	450	6,850	400	1,150	175
Chemical engineers	10,050	500	8,200	500	1,850	200
Civil, architectural, sanitary engineers	8,050	450	6,900	425	1,150	150
Electrical engineers	29,850	875	26,350	850	3,500	275
Industrial engineers	1,550	225	1,050	175	500	125
Mechanical engineers	16,150	650	14,650	675	1,500	200
Postsecondary teachers, engineering	28,550	775	23,200	725	5,350	325
Other engineers	35,900	925	27,800	850	8,100	425
S&E-related occupations	119,200	1,700	66,750	1,350	52,450	1,100
Health occupations, except postsecondary teachers and managers	36,550	975	18,050	850	18,550	625
Postsecondary teachers, health and related science	28,650	875	11,500	600	17,150	600
S&E managers, including health	35,350	1,025	24,650	900	10,650	575

TABLE 33

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

(Number and SE)

Occupation	Total		Male		Female	
	Number	SE	Number	SE	Number	SE
S&E precollege teachers	7,100	400	3,550	300	3,550	250
S&E technicians/ technologists	10,400	625	8,250	575	2,150	250
Other S&E-related occupations	1,150	175	750	175	400	100
Non-S&E occupations	178,900	1,950	102,450	1,550	76,450	1,075
Arts, humanities-related occupations	11,500	600	3,950	350	7,550	450
Management-related occupations	35,200	1,025	19,750	825	15,400	575
Non-S&E managers	70,100	1,350	45,550	1,200	24,550	725
Non-S&E postsecondary teachers	21,050	675	11,200	475	9,850	450
Non-S&E precollege/ other teachers	5,950	475	2,400	300	3,500	325
Sales, marketing occupations	10,800	600	6,650	525	4,150	325
Social service-related occupations	7,600	400	3,200	300	4,400	325
Other non-S&E occupations	16,750	650	9,650	575	7,050	375

S&E = science and engineering; SE = standard error.

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.