

TABLE 33

**U.S. residing doctoral scientists and engineers, by occupation and sex: 2023**

(Number and SE)

Occupation	Total		Male		Female	
	Number	SE	Number	SE	Number	SE
All occupations	1,058,700	1,900	654,700	1,675	404,000	1,200
Science occupations	566,250	2,850	356,000	2,325	210,250	1,475
Biological, agricultural, and other life scientists	196,350	1,675	111,300	1,650	85,050	1,150
Agricultural, food scientists	13,700	525	9,100	475	4,600	275
Biochemists, biophysicists	19,900	650	13,400	625	6,550	375
Biological scientists	34,100	700	18,650	675	15,450	525
Forestry, conservation scientists	3,450	250	2,150	225	1,300	125
Medical scientists	52,800	1,025	27,850	925	24,950	800
Postsecondary teachers, agricultural, other natural sciences	7,000	375	4,550	350	2,400	225
Postsecondary teachers, biological sciences	39,800	950	22,700	825	17,100	600
Other biological, agricultural, life scientists	25,650	775	12,950	600	12,700	525
Computer and information scientists	86,500	1,350	69,900	1,200	16,550	675
Computer and information scientists	74,150	1,375	60,400	1,250	13,750	625
Postsecondary teachers, computer science	12,350	550	9,550	500	2,850	250
Mathematical scientists	54,250	1,050	37,650	850	16,600	550
Mathematical scientists	33,000	850	22,350	750	10,650	475
Postsecondary teachers, mathematics, statistics	21,250	700	15,300	550	5,950	350
Physical scientists	104,900	1,375	77,750	1,350	27,150	650
Chemists, except biochemists	25,900	800	19,350	725	6,550	325
Earth, atmospheric, ocean scientists	16,700	600	12,200	475	4,500	300
Physicists, astronomers	16,750	725	14,150	675	2,650	250
Postsecondary teachers, chemistry	18,900	775	11,650	625	7,300	450
Postsecondary teachers, physics	11,450	600	9,550	575	1,850	175
Postsecondary teachers, other physical science	8,200	325	5,400	300	2,800	200
Other physical scientists	7,050	425	5,500	425	1,550	175
Psychologists	42,400	925	16,500	650	25,900	750
Psychologists	19,750	750	6,800	475	12,950	600
Postsecondary teachers, psychology	22,650	750	9,650	500	12,950	525
Social scientists	81,800	1,200	42,900	875	38,950	850
Economists	10,750	500	7,100	425	3,600	275
Political scientists	2,700	250	1,700	225	1,000	175
Postsecondary teachers, economics	12,050	500	8,750	450	3,300	300
Postsecondary teachers, political science	10,800	525	6,800	450	4,000	300
Postsecondary teachers, sociology	8,850	400	3,850	275	5,050	325
Postsecondary teachers, other social sciences	19,100	625	8,300	450	10,800	450

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Occupation	Total		Male		Female	
	Number	SE	Number	SE	Number	SE
Sociologists, anthropologists	4,900	275	2,050	200	2,850	250
Other social scientists	12,750	525	4,400	325	8,350	400
Engineering occupations	142,000	1,700	118,150	1,675	23,850	625
Aerospace, aeronautical, astronautical engineers	8,550	450	7,450	425	1,100	125
Chemical engineers	9,200	550	7,350	500	1,850	275
Civil, architectural, sanitary engineers	8,300	500	7,100	475	1,200	150
Electrical engineers	32,700	1,075	28,650	1,050	4,050	325
Industrial engineers	1,450	225	1,000	225	450	100
Mechanical engineers	15,150	725	13,500	725	1,650	200
Postsecondary teachers, engineering	27,550	875	22,200	825	5,350	300
Other engineers	39,100	1,150	30,850	1,075	8,250	425
S&E-related occupations	161,700	1,950	77,400	1,550	84,300	1,250
Health occupations, except postsecondary teachers and managers	85,900	1,425	33,900	950	52,000	1,125
Postsecondary teachers, health and related science	24,400	750	9,550	575	14,850	475
S&E managers, including health	38,550	1,100	25,450	925	13,100	550
S&E precollege teachers	5,900	400	3,000	300	2,950	250
S&E technicians and technologists	5,650	425	4,650	400	1,000	150
Other S&E-related occupations	1,250	200	900	175	350	100
Non-S&E occupations	188,750	2,125	103,150	1,675	85,600	1,375
Arts, humanities-related occupations	12,150	525	4,300	375	7,850	425
Management-related occupations	40,650	1,150	21,150	850	19,500	700
Non-S&E managers	65,700	1,325	41,650	1,075	24,100	850
Non-S&E postsecondary teachers	24,800	800	12,800	625	12,000	475
Non-S&E precollege and other teachers	8,050	500	3,100	300	5,000	375
Sales, marketing occupations	8,300	450	5,000	375	3,300	250
Social service-related occupations	9,100	475	3,600	350	5,500	350
Other non-S&E occupations	20,000	725	11,600	625	8,400	375

S&amp;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 2023.

**Source(s):**

National Center for Science and Engineering Statistics, Survey of Doctorate Recipients, 2023.