

TABLE 40

## U.S. residing employed doctoral scientists and engineers, by occupation and age: 2023

(Number and SE)

Occupation	All employed		Under 35		35–39		40–44		45–49		50–54		55–59		60–64		65–75	
	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE
All occupations	908,700	2,300	101,900	1,100	139,700	1,525	135,200	1,425	119,100	1,425	112,200	1,400	100,500	1,625	87,550	1,500	112,550	1,375
Science occupations	489,300	2,625	63,900	900	83,650	1,300	78,100	1,250	64,250	1,175	56,500	1,200	48,800	1,075	41,900	975	52,200	1,150
Biological, agricultural, and other life scientists	168,150	1,575	22,750	550	28,850	775	26,900	850	22,500	725	18,650	700	16,000	700	14,400	625	18,050	650
Agricultural, food scientists	11,250	475	1,300	150	1,450	175	1,600	200	1,450	125	1,100	200	1,350	200	1,350	175	1,700	200
Biochemists, biophysicists	17,100	575	3,800	275	4,250	350	2,050	225	2,000	300	1,200	200	1,750	250	1,050	200	1,050	175
Biological scientists	30,000	700	4,900	275	6,200	400	5,000	350	4,300	325	2,850	275	2,150	250	1,650	225	2,900	250
Forestry, conservation scientists	2,900	225	200	50	350	75	450	100	500	150	300	100	200	75	400	125	450	100
Medical scientists	46,600	975	6,700	350	7,550	450	7,800	500	5,600	325	5,550	425	4,350	450	4,150	375	4,900	375
Postsecondary teachers, agricultural, other natural sciences	5,100	325	350	75	650	150	650	125	750	125	500	100	650	150	650	125	950	200
Postsecondary teachers, biological sciences	33,000	875	1,400	175	3,800	325	5,750	375	5,100	425	5,050	375	3,600	325	3,750	300	4,550	400
Other biological, agricultural, life scientists	22,250	750	4,100	250	4,650	325	3,600	325	2,750	325	2,150	325	2,000	275	1,500	250	1,550	200
Computer and information scientists	76,900	1,250	11,900	475	16,600	625	12,500	600	8,700	475	8,200	500	7,500	475	6,350	500	5,100	425
Computer and information scientists	66,200	1,300	11,050	475	15,000	625	10,900	625	7,250	450	6,350	450	6,550	475	5,150	450	3,950	375
Postsecondary teachers, computer science	10,700	525	850	150	1,600	225	1,650	225	1,450	200	1,850	275	950	175	1,200	200	1,150	200
Mathematical scientists	48,650	1,000	8,050	325	9,250	450	7,750	450	6,100	425	5,250	400	4,200	325	3,850	325	4,200	375
Mathematical scientists	30,100	800	6,000	300	6,650	400	5,200	375	3,300	350	3,100	300	2,100	275	1,750	250	1,950	275
Postsecondary teachers, mathematics, statistics	18,550	675	2,050	200	2,550	225	2,550	250	2,850	300	2,150	275	2,050	225	2,100	225	2,200	250
Physical scientists	88,350	1,325	12,100	450	12,950	500	12,950	600	11,800	550	10,250	625	9,350	550	8,000	475	10,950	500
Chemists, except biochemists	21,850	775	4,700	350	3,800	350	2,950	275	2,850	275	2,150	300	1,800	250	1,600	250	2,000	225
Earth, atmospheric, ocean scientists	13,550	550	1,850	175	2,050	200	1,950	225	2,000	250	1,400	200	1,150	150	1,250	150	1,950	225
Physicists, astronomers	14,650	650	2,650	250	2,250	250	2,100	275	1,500	225	1,800	325	1,700	250	1,000	175	1,650	225
Postsecondary teachers, chemistry	16,250	700	1,150	175	1,950	225	2,550	275	2,400	300	2,500	300	1,950	225	1,700	250	2,000	300
Postsecondary teachers, physics	9,350	525	350	75	1,100	200	1,600	225	1,250	175	1,000	200	1,300	250	1,050	200	1,750	275
Postsecondary teachers, other physical science	6,750	275	500	75	1,000	125	900	100	1,050	150	800	125	650	100	900	125	950	125
Other physical scientists	5,950	400	900	175	800	175	950	175	750	175	600	175	750	175	550	100	650	125
Psychologists	36,450	850	3,500	250	5,950	375	5,700	400	5,350	400	4,550	400	3,850	350	2,900	300	4,650	375
Psychologists	17,550	725	2,250	225	3,200	325	2,750	300	2,400	275	1,650	275	1,550	250	1,150	225	2,600	300
Postsecondary teachers, psychology	18,900	675	1,300	150	2,750	250	2,950	300	2,900	250	2,900	300	2,300	250	1,750	225	2,050	200
Social scientists	70,750	1,175	5,550	275	10,050	425	12,250	550	9,800	475	9,600	475	7,950	475	6,350	400	9,250	450
Economists	9,700	475	1,200	150	1,700	200	1,350	200	1,400	250	900	175	950	175	700	125	1,400	200
Political scientists	2,100	225	200	50	250	75	600	175	250	100	150	75	200	75	250	100	150	75
Postsecondary teachers, economics	10,200	475	850	125	1,450	175	1,650	225	1,500	225	1,150	175	950	175	900	175	1,800	250
Postsecondary teachers, political science	9,700	500	650	100	1,100	150	1,600	225	1,250	175	1,550	250	1,350	225	1,100	200	1,050	200
Postsecondary teachers, sociology	7,450	375	300	75	900	150	1,150	175	1,100	175	1,000	150	1,100	200	850	175	1,000	150
Postsecondary teachers, other social sciences	16,450	600	800	125	2,100	200	3,050	275	2,500	225	2,650	225	1,950	225	1,400	175	1,950	225

TABLE 40

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

(Number and SE)

Occupation	All employed		Under 35		35–39		40–44		45–49		50–54		55–59		60–64		65–75	
	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE
Sociologists, anthropologists	3,950	275	250	50	450	100	800	125	550	125	550	150	300	75	250	75	800	150
Other social scientists	11,200	500	1,300	175	2,100	200	1,950	225	1,200	150	1,550	200	1,200	150	850	175	1,050	150
Engineering occupations	127,550	1,600	18,700	575	22,200	725	18,300	725	15,850	700	13,700	650	12,950	700	13,100	675	12,750	625
Aerospace, aeronautical, astronautical engineers	7,500	425	950	125	1,250	200	1,050	150	700	150	750	150	850	150	1,000	175	900	150
Chemical engineers	8,050	500	1,900	225	1,250	225	1,350	250	550	175	1,000	175	550	150	850	200	600	150
Civil, architectural, sanitary engineers	7,800	500	1,000	150	1,400	200	1,000	200	800	150	750	150	900	175	1,100	250	850	200
Electrical engineers	29,900	1,000	3,950	300	5,600	400	4,350	375	4,350	425	3,450	325	3,450	400	2,400	350	2,300	350
Industrial engineers	1,300	225	350	125	200	75	250	125	100	75	100	50	50	50	100	50	50	50
Mechanical engineers	13,050	725	1,950	225	2,600	300	1,850	275	1,650	300	1,550	275	1,300	225	1,150	225	1,000	175
Postsecondary teachers, engineering	24,750	850	2,300	250	3,050	275	3,550	350	3,400	350	2,550	300	2,400	325	3,400	375	4,050	425
Other engineers	35,300	1,075	6,350	275	6,800	425	4,900	450	4,250	375	3,550	375	3,400	375	3,050	350	3,000	300
S&E-related occupations	135,450	1,825	10,300	450	17,950	725	18,200	725	18,450	800	18,350	700	16,000	725	13,600	700	22,650	750
Health occupations, except postsecondary teachers and managers	72,400	1,300	5,400	325	9,250	500	8,450	450	9,200	550	9,200	475	7,600	525	7,400	550	15,900	650
Postsecondary teachers, health and related science	19,900	725	1,150	150	2,400	225	2,850	225	2,700	275	2,750	275	2,300	250	2,200	250	3,550	325
S&E managers, including health	33,200	1,050	2,450	225	4,450	350	5,550	425	5,150	425	5,050	425	5,000	450	3,100	300	2,450	275
S&E precollege teachers	4,500	375	350	100	550	150	400	125	750	150	750	200	750	125	600	125	300	100
S&E technicians and technologists	4,550	400	950	150	1,150	200	700	150	500	175	400	125	250	75	250	75	400	150
Other S&E-related occupations	950	175	D	D	100	50	250	100	100	75	200	100	150	75	S	S	S	S
Non-S&E occupations	156,400	2,025	8,950	375	15,950	575	20,600	725	20,550	850	23,700	775	22,750	775	18,950	775	24,950	875
Arts, humanities-related occupations	9,950	475	1,000	125	1,500	150	1,600	200	1,200	175	800	150	700	125	1,000	175	2,200	225
Management-related occupations	35,000	1,025	2,900	225	4,800	375	4,850	350	4,900	450	4,750	400	4,650	425	3,500	350	4,550	400
Non-S&E managers	55,600	1,275	1,600	175	3,750	300	6,400	450	6,950	450	10,850	550	9,700	550	8,100	525	8,250	525
Non-S&E postsecondary teachers	19,500	725	1,000	150	2,050	175	2,900	250	2,550	275	2,600	300	2,900	325	2,200	225	3,250	300
Non-S&E precollege and other teachers	5,450	400	350	100	450	125	800	125	850	125	750	125	700	150	550	150	950	150
Sales, marketing occupations	6,950	450	400	100	900	150	1,150	200	1,100	200	750	125	1,000	225	800	175	900	150
Social service-related occupations	7,750	475	300	100	750	175	800	200	750	175	1,100	175	800	150	1,200	200	2,050	250
Other non-S&E occupations	16,200	675	1,400	200	1,700	200	2,100	225	2,250	325	2,050	275	2,350	250	1,600	225	2,750	250

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

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. 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.