

TABLE 41

U.S. residing employed doctoral scientists and engineers, by occupation and years since doctorate: 2023

(Number and SE)

Occupation	All employed		≤ 5		6–10		11–15		16–20		21–25		> 25	
	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE
All occupations	908,700	2,300	143,600	575	169,900	925	146,200	925	117,750	800	105,200	1,000	226,050	1,575
Science occupations	489,300	2,625	87,650	800	99,000	1,175	80,800	1,075	61,000	950	52,350	1,025	108,500	1,625
Biological, agricultural, and other life scientists	168,150	1,575	31,450	525	32,000	750	28,100	800	21,300	650	18,100	625	37,200	975
Agricultural, food scientists	11,250	475	1,700	150	1,850	150	2,050	250	1,400	175	1,300	225	3,000	275
Biochemists, biophysicists	17,100	575	5,250	300	3,400	325	2,450	325	1,550	225	1,450	225	3,000	325
Biological scientists	30,000	700	7,550	350	6,650	400	4,900	375	3,350	225	2,550	275	5,000	400
Forestry, conservation scientists	2,900	225	500	100	450	100	500	125	450	125	200	50	800	150
Medical scientists	46,600	975	8,850	400	8,900	400	7,200	450	6,000	425	5,250	450	10,400	550
Postsecondary teachers, agricultural, other natural sciences	5,100	325	600	100	800	150	850	125	750	150	500	125	1,650	225
Postsecondary teachers, biological sciences	33,000	875	1,700	175	5,200	350	6,450	375	5,150	350	4,950	375	9,550	525
Other biological, agricultural, life scientists	22,250	750	5,300	275	4,850	325	3,700	325	2,700	300	1,900	250	3,800	350
Computer and information scientists	76,900	1,250	15,850	475	18,450	600	13,450	575	7,100	450	7,850	525	14,150	650
Computer and information scientists	66,200	1,300	14,300	475	16,050	600	11,850	550	5,600	425	6,500	525	11,950	600
Postsecondary teachers, computer science	10,700	525	1,550	175	2,400	250	1,600	225	1,550	200	1,350	250	2,250	275
Mathematical scientists	48,650	1,000	9,950	375	11,350	500	7,550	400	6,100	375	4,200	350	9,450	450
Mathematical scientists	30,100	800	7,550	350	8,150	450	4,700	375	3,450	300	2,000	275	4,300	375
Postsecondary teachers, mathematics, statistics	18,550	675	2,400	175	3,200	275	2,900	250	2,650	250	2,250	250	5,150	350
Physical scientists	88,350	1,325	13,850	450	15,750	525	13,800	575	11,550	600	9,700	500	23,750	725
Chemists, except biochemists	21,850	775	4,600	300	4,650	375	3,250	300	2,400	275	2,250	275	4,700	375
Earth, atmospheric, ocean scientists	13,550	550	2,800	225	2,550	200	2,100	200	1,700	225	1,250	125	3,200	275
Physicists, astronomers	14,650	650	3,200	250	2,350	250	1,800	250	1,850	275	1,750	275	3,700	325
Postsecondary teachers, chemistry	16,250	700	950	150	2,500	275	2,800	300	2,800	300	2,150	275	5,050	425
Postsecondary teachers, physics	9,350	525	550	100	1,250	200	1,750	250	1,300	200	1,050	175	3,450	350
Postsecondary teachers, other physical science	6,750	275	850	100	1,250	125	1,100	125	900	150	600	100	2,100	200
Other physical scientists	5,950	400	900	150	1,200	200	1,050	225	650	150	600	150	1,550	200
Psychologists	36,450	850	5,350	325	7,100	400	5,850	375	5,350	400	4,150	275	8,650	450
Psychologists	17,550	725	3,350	275	3,400	325	2,700	275	2,200	275	1,750	225	4,200	400
Postsecondary teachers, psychology	18,900	675	2,000	200	3,700	325	3,150	300	3,200	300	2,400	225	4,450	325
Social scientists	70,750	1,175	11,250	375	14,350	550	12,000	450	9,550	525	8,350	325	15,300	550
Economists	9,700	475	1,750	200	2,100	225	1,250	200	1,250	250	800	125	2,550	275
Political scientists	2,100	225	400	75	300	100	550	175	200	75	150	75	450	125
Postsecondary teachers, economics	10,200	475	1,200	150	1,700	225	1,800	225	1,250	200	1,250	175	3,000	300
Postsecondary teachers, political science	9,700	500	1,250	150	1,700	250	1,550	200	1,550	225	1,350	175	2,300	275
Postsecondary teachers, sociology	7,450	375	950	100	1,450	175	950	125	1,200	175	1,250	175	1,650	200
Postsecondary teachers, other social sciences	16,450	600	2,300	175	3,900	300	3,400	225	2,350	225	1,750	200	2,800	275

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	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE
Sociologists, anthropologists	3,950	275	750	100	850	125	750	125	450	150	350	100	800	125
Other social scientists	11,200	500	2,700	225	2,400	250	1,800	200	1,250	175	1,400	175	1,750	225
Engineering occupations	127,550	1,600	23,300	500	25,300	650	19,500	725	15,950	650	12,950	650	30,500	1,050
Aerospace, aeronautical, astronautical engineers	7,500	425	1,150	125	1,500	225	1,100	150	800	150	900	200	2,050	225
Chemical engineers	8,050	500	1,650	175	1,600	225	1,250	225	750	175	850	200	1,950	250
Civil, architectural, sanitary engineers	7,800	500	1,650	175	1,850	250	900	175	850	200	600	150	2,000	300
Electrical engineers	29,900	1,000	5,300	275	6,050	375	4,800	475	4,050	375	3,500	325	6,150	575
Industrial engineers	1,300	225	350	100	400	175	150	50	150	75	100	75	150	50
Mechanical engineers	13,050	725	2,600	250	2,600	275	2,100	325	2,100	325	1,450	250	2,250	250
Postsecondary teachers, engineering	24,750	850	2,550	225	4,150	300	4,100	400	3,250	325	2,650	325	8,000	600
Other engineers	35,300	1,075	8,100	325	7,150	450	5,100	450	4,000	375	2,900	325	8,000	550
S&E-related occupations	135,450	1,825	18,200	550	22,950	775	22,450	775	18,450	625	17,250	650	36,200	925
Health occupations, except postsecondary teachers and managers	72,400	1,300	9,950	425	11,650	500	10,250	500	9,750	450	8,450	500	22,400	750
Postsecondary teachers, health and related science	19,900	725	3,100	225	3,700	250	4,150	325	2,650	250	2,550	325	3,800	375
S&E managers, including health	33,200	1,050	3,450	275	5,550	400	6,150	450	4,700	400	5,400	450	8,000	525
S&E precollege teachers	4,500	375	400	100	800	200	900	175	700	125	450	125	1,250	200
S&E technicians and technologists	4,550	400	1,200	175	1,100	200	850	225	450	150	300	100	600	150
Other S&E-related occupations	950	175	100	50	150	75	150	75	200	75	S	S	200	100
Non-S&E occupations	156,400	2,025	14,450	450	22,650	675	23,500	750	22,400	775	22,600	775	50,800	1,275
Arts, humanities-related occupations	9,950	475	1,600	175	1,700	175	1,750	200	1,050	150	850	175	3,100	300
Management-related occupations	35,000	1,025	3,850	250	5,850	350	5,550	400	4,800	375	5,050	500	9,850	625
Non-S&E managers	55,600	1,275	2,450	200	5,200	350	7,350	475	8,800	500	9,800	550	21,950	825
Non-S&E postsecondary teachers	19,500	725	2,600	200	3,850	325	3,100	300	2,850	275	2,400	300	4,700	375
Non-S&E precollege and other teachers	5,450	400	600	100	950	175	900	125	850	200	650	125	1,450	225
Sales, marketing occupations	6,950	450	550	100	1,150	175	1,400	225	1,000	225	550	100	2,300	275
Social service-related occupations	7,750	475	1,100	175	1,400	250	1,250	200	750	125	1,100	200	2,200	275
Other non-S&E occupations	16,200	675	1,750	125	2,550	275	2,200	225	2,300	275	2,200	275	5,200	375

S = suppressed for reliability; coefficient of variation exceeds publication standards.

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. 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.