TABLE 41

U.S. residing employed doctoral scientists and engineers, by occupation and years since doctorate: 2021

(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	872,100	2,425	141,750	600	159,000	975	137,450	875	108,850	825	104,600	950	220,400	1,675
Science occupations	502,250	2,725	91,150	1,000	96,450	1,200	78,400	925	59,600	1,025	56,450	1,025	120,200	1,575
Biological, agricultural, and other life scientists	160,850	1,700	31,750	775	31,450	750	25,800	700	18,700	650	17,300	600	35,850	1,025
Agricultural, food scientists	10,650	550	1,700	175	1,650	150	1,850	225	1,000	125	1,300	175	3,150	350
Biochemists, biophysicists	18,000	750	6,150	425	3,900	400	2,150	250	1,650	225	1,250	225	2,900	350
Biological scientists	26,050	850	6,650	375	5,450	300	3,900	325	2,800	300	2,600	300	4,650	450
Forestry, conservation scientists	2,400	225	350	75	600	125	500	125	300	75	100	25	600	125
Medical scientists	41,550	975	8,500	475	8,850	450	6,550	425	4,500	350	4,250	375	8,900	550
Postsecondary teachers, agricultural, other natural sciences	5,200	350	500	100	750	125	850	150	800	150	900	175	1,400	150
Postsecondary teachers, biological sciences	34,400	975	2,450	225	5,450	350	6,200	400	5,350	350	4,900	375	10,050	675
Other biological, agricultural, life scientists	22,600	825	5,450	325	4,750	300	3,850	325	2,300	275	2,100	275	4,200	375
Computer and information scientists	65,450	1,025	14,600	550	14,700	475	10,350	500	6,450	475	7,250	425	12,150	575
Computer and information scientists	55,100	1,125	13,000	575	12,400	500	8,700	475	5,100	425	6,200	425	9,700	575
Postsecondary teachers, computer science	10,350	550	1,600	175	2,300	275	1,600	225	1,350	250	1,050	225	2,450	300
Mathematical scientists	43,950	875	9,350	400	10,000	500	7,600	425	4,900	375	3,850	300	8,300	375
Mathematical scientists	24,900	750	6,550	350	7,000	425	4,100	350	2,300	250	1,850	250	3,050	275
Postsecondary teachers, mathematics, statistics	19,050	625	2,800	275	2,950	275	3,450	325	2,600	250	2,050	225	5,250	325
Physical scientists	85,100	1,375	13,550	450	14,350	575	13,500	600	10,700	450	9,550	450	23,450	875
Chemists, except biochemists	21,250	675	4,400	325	3,850	275	3,000	300	2,550	275	1,900	225	5,500	425
Earth, atmospheric, ocean scientists	11,500	400	2,300	175	2,000	175	1,900	225	1,300	125	1,350	175	2,750	200
Physicists, astronomers	13,550	625	3,150	250	2,150	250	1,600	225	1,550	250	1,400	200	3,750	400
Postsecondary teachers, chemistry	17,200	700	1,600	250	2,350	225	3,550	375	2,350	300	2,600	300	4,750	375
Postsecondary teachers, physics	10,100	550	550	100	1,800	250	1,750	225	1,350	225	1,100	175	3,600	400

TABLE 41

U.S. residing employed doctoral scientists and engineers, by occupation and years since doctorate: 2021

(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
Postsecondary teachers, other physical science	6,700	350	750	100	1,350	150	1,000	125	900	150	700	100	2,000	200
Other physical scientists	4,800	350	750	125	1,000	175	750	150	700	175	500	125	1,150	175
Psychologists	78,400	1,025	9,650	375	12,050	425	10,450	475	9,700	600	10,350	600	26,150	775
Psychologists	58,300	1,050	7,400	375	8,300	450	7,600	450	6,200	475	7,700	500	21,050	825
Postsecondary teachers, psychology	20,150	725	2,250	225	3,800	300	2,850	250	3,500	350	2,600	300	5,150	425
Social scientists	68,450	1,150	12,250	475	13,900	525	10,700	500	9,150	425	8,150	425	14,300	625
Economists	9,150	375	2,100	225	1,700	225	1,200	175	1,000	150	800	150	2,400	275
Political scientists	1,750	250	450	100	400	175	300	75	150	75	50	50	400	125
Postsecondary teachers, economics	10,900	600	1,450	175	1,900	250	1,500	225	1,450	175	1,300	175	3,300	300
Postsecondary teachers, political science	10,000	525	1,450	175	2,050	275	1,300	225	1,400	225	1,400	200	2,350	275
Postsecondary teachers, sociology	7,950	425	1,200	175	1,400	175	1,700	250	1,000	150	1,200	175	1,450	250
Postsecondary teachers, other social sciences	15,550	500	2,500	250	3,650	275	2,750	225	2,250	225	1,850	225	2,550	200
Sociologists, anthropologists	3,800	300	700	100	850	125	550	150	700	200	400	100	650	125
Other social scientists	9,400	475	2,350	225	2,000	200	1,400	175	1,250	175	1,100	175	1,300	175
Engineering occupations	122,800	1,575	23,350	675	24,200	775	20,150	800	14,350	650	13,950	600	26,750	750
Aerospace, aeronautical, astronautical engineers	7,100	425	1,200	150	1,350	200	800	125	850	175	1,250	225	1,600	225
Chemical engineers	8,800	475	2,000	250	1,750	250	1,550	225	850	175	750	175	1,950	275
Civil, architectural, sanitary engineers	7,400	425	1,550	175	1,300	150	1,200	225	600	150	800	200	1,950	275
Electrical engineers	26,950	850	5,150	350	5,850	400	4,600	400	3,650	325	3,000	325	4,700	450
Industrial engineers	1,450	200	350	100	250	75	250	100	S	S	250	75	200	75
Mechanical engineers	14,250	625	2,800	275	2,450	300	2,600	300	1,900	275	1,750	275	2,750	300
Postsecondary teachers, engineering	26,100	750	3,400	300	4,750	375	4,250	325	3,300	350	2,750	300	7,650	500
Other engineers	30,750	825	6,900	425	6,500	450	4,900	375	3,050	275	3,450	300	5,950	400
S&E-related occupations	100,450	1,525	13,250	550	18,950	725	17,600	750	14,650	600	12,400	575	23,600	875
Health occupations, except postsecondary teachers and managers	30,750	850	4,550	325	5,750	425	5,000	400	4,050	300	3,250	300	8,150	550

TABLE 41

U.S. residing employed doctoral scientists and engineers, by occupation and years since doctorate: 2021

(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
Postsecondary teachers, health and related science	24,000	825	3,300	250	5,250	375	4,600	400	3,850	325	2,600	300	4,400	375
S&E managers, including health	30,550	950	2,800	275	4,550	400	5,800	450	5,050	450	4,800	425	7,550	475
S&E precollege teachers	5,300	325	600	125	950	150	750	125	800	150	900	150	1,400	200
S&E technicians/ technologists	9,100	600	2,000	225	2,300	275	1,250	200	900	200	750	175	1,900	250
Other S&E-related occupations	800	150	S	S	150	75	200	75	50	25	150	75	250	100
Non-S&E occupations	146,600	1,825	14,000	475	19,350	625	21,300	750	20,250	775	21,800	725	49,850	1,150
Arts, humanities-related occupations	9,150	500	1,750	225	1,550	200	1,450	225	1,100	225	750	150	2,550	275
Management-related occupations	29,100	975	3,550	275	4,850	375	5,000	350	3,750	325	3,950	350	8,000	475
Non-S&E managers	60,150	1,350	2,850	250	4,800	400	7,700	475	8,850	550	11,200	600	24,700	900
Non-S&E postsecondary teachers	17,250	575	2,450	225	3,000	250	2,450	225	2,550	250	1,950	200	4,850	350
Non-S&E precollege/ other teachers	3,700	350	300	75	650	175	450	125	550	100	450	100	1,350	200
Sales, marketing occupations	8,550	525	800	150	1,550	200	1,550	200	900	200	900	150	2,850	350
Social service-related occupations	6,000	350	850	150	900	150	900	150	800	175	900	150	1,650	225
Other non-S&E occupations	12,750	575	1,450	200	2,100	250	1,800	225	1,700	250	1,750	225	3,900	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 2021.

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