

TABLE 41

U.S. residing employed doctoral scientists and engineers, by occupation and years since doctorate: 2019

(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	857,200	1,975	142,500	625	154,750	1,025	127,000	1,150	108,700	825	104,250	825	220,000	1,575
Science occupations	492,750	2,500	90,100	900	92,650	1,125	72,550	1,125	60,950	800	54,250	900	122,200	1,575
Biological, agricultural, and other life scientist	156,650	1,525	31,200	650	31,400	750	24,200	725	18,700	525	16,050	550	35,050	950
Agricultural, food scientist	11,600	450	1,950	175	2,150	200	1,850	175	750	100	1,500	175	3,350	275
Biochemists, biophysicist	16,350	675	4,800	375	3,350	300	2,150	250	1,950	225	1,250	200	2,900	350
Biological scientist	26,750	675	6,300	325	5,800	325	3,950	350	2,850	275	2,650	275	5,200	350
Forestry, conservation scientist	2,250	175	350	75	450	75	500	100	300	75	200	75	450	100
Medical scientist	42,350	1,025	8,750	475	9,000	475	6,250	425	5,050	325	4,250	375	9,100	525
Postsecondary teachers, agricultural, other natural sciences	5,550	350	750	150	950	125	900	150	700	125	600	100	1,700	200
Postsecondary teachers, biological sciences	32,400	775	2,800	225	5,450	300	6,000	375	5,050	350	3,950	325	9,150	500
Other biological, agricultural, life scientist	19,350	700	5,450	350	4,250	325	2,650	300	2,050	225	1,700	200	3,250	275
Computer and information scientist	63,000	1,100	14,300	500	14,200	600	9,050	450	6,650	425	7,650	425	11,200	575
Computer and information scientist	53,450	1,075	12,850	475	11,850	600	7,800	400	5,600	400	6,550	425	8,800	475
Postsecondary teachers, computer science	9,550	525	1,450	175	2,350	275	1,250	175	1,100	200	1,100	150	2,400	275
Mathematical scientist	41,400	750	9,100	325	8,350	375	6,750	400	4,600	350	3,850	325	8,700	425
Mathematical scientist	21,800	650	6,150	350	4,800	300	3,750	300	2,050	250	1,900	250	3,200	275
Postsecondary teachers, mathematics, statistics	19,600	575	2,950	225	3,550	275	3,000	275	2,600	225	2,000	200	5,500	325
Physical scientist	84,550	1,275	13,350	500	14,750	475	11,800	500	10,650	450	9,350	425	24,650	750
Chemists, except biochemist	21,850	725	4,700	300	3,950	300	2,700	250	2,700	300	2,100	275	5,650	400
Earth, atmospheric, ocean scientist	11,750	400	2,250	175	2,000	175	1,500	125	1,450	150	1,150	150	3,450	225
Physicists, astronomers	12,450	625	2,650	275	2,200	225	1,550	225	1,650	225	1,000	175	3,400	325
Postsecondary teachers, chemistry	16,900	625	1,550	150	2,950	275	3,100	275	2,100	225	2,100	225	5,150	375
Postsecondary teachers, physics	10,650	575	850	150	1,900	200	1,400	175	1,550	275	1,350	225	3,650	375
Postsecondary teachers, other physical science	7,300	300	1,000	125	1,350	150	1,100	125	700	100	1,050	125	2,150	225
Other physical scientist	3,650	250	400	75	500	100	450	100	500	100	600	125	1,150	200
Psychologist	77,600	950	10,250	375	11,250	475	10,750	450	10,050	525	9,300	475	26,000	775
Psychologist	57,500	1,000	7,650	350	7,150	400	7,600	425	6,900	425	6,700	425	21,450	750

TABLE 41

U.S. residing employed doctoral scientists and engineers, by occupation and years since doctorate: 2019

(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, psychology	20,100	625	2,550	225	4,100	300	3,150	250	3,150	300	2,600	250	4,550	300
Social scientist	69,500	1,025	11,950	400	12,700	525	9,950	475	10,300	450	8,000	475	16,550	600
Economist	9,600	500	2,150	225	1,550	175	1,100	175	1,050	175	1,150	200	2,600	300
Political scientist	1,850	275	300	100	400	125	300	100	250	125	S	S	450	150
Postsecondary teachers, economics	10,900	500	1,450	175	1,750	200	1,300	175	1,700	225	1,000	150	3,700	300
Postsecondary teachers, political science	11,450	450	1,700	225	1,800	200	1,800	225	1,950	275	1,650	225	2,550	275
Postsecondary teachers, sociology	7,500	350	1,150	125	1,350	175	1,050	150	1,300	175	950	150	1,700	175
Postsecondary teachers, other social sciences	16,550	575	2,800	200	3,350	250	2,750	225	2,200	225	1,950	200	3,500	300
Sociologist, anthropologist	3,500	275	700	100	800	150	350	75	600	125	300	75	800	175
Other social scientist	8,250	475	1,700	175	1,750	200	1,350	175	1,300	200	850	150	1,300	200
Engineering occupations	120,650	1,375	23,750	675	24,700	750	18,750	650	13,350	500	14,850	550	25,150	800
Aerospace, aeronautical, astronautical engineer	7,150	425	1,000	175	1,300	175	900	175	1,050	175	1,150	175	1,750	200
Chemical engineer	9,250	525	1,900	250	1,950	250	1,800	275	1,000	225	850	150	1,800	250
Civil, architectural, sanitary engineer	6,900	425	1,650	175	1,400	200	750	150	950	200	650	175	1,450	225
Electrical engineer	27,500	750	6,100	425	6,250	475	4,650	400	3,400	300	3,400	300	3,750	325
Industrial engineers	1,950	250	450	100	450	150	250	100	150	50	S	S	550	175
Mechanical engineer	13,450	550	2,900	275	2,450	275	2,250	250	1,700	225	1,750	225	2,450	275
Postsecondary teacher, engineering	23,950	750	3,150	275	4,200	350	3,800	300	2,300	250	3,450	375	7,000	450
Other engineer	30,500	675	6,600	350	6,700	450	4,350	350	2,800	250	3,650	275	6,400	350
S&E-related occupations	92,350	1,475	13,150	475	17,300	650	14,100	475	13,300	550	12,650	575	21,850	825
Health occupations, except postsecondary teachers and managers	30,800	825	4,850	325	5,950	375	4,350	325	4,000	325	3,900	300	7,750	450
Postsecondary teacher, health and related science	23,600	675	3,650	250	4,750	300	4,000	275	3,550	325	2,700	250	4,850	375
S&E managers, including health	24,650	850	2,450	225	4,000	300	4,100	300	3,650	300	4,200	375	6,250	425
S&E precollege teachers	5,200	400	650	125	800	150	700	125	950	175	750	150	1,350	225
S&E technicians/technologists	7,200	475	1,400	200	1,700	250	800	150	1,000	175	900	175	1,350	225
Other S&E-related occupation	900	150	100	75	150	75	150	100	S	S	200	75	250	75
Non-S&E occupations	151,500	1,650	15,450	575	20,100	600	21,600	700	21,100	700	22,500	750	50,800	1,200
Arts, humanities-related occupation	8,900	425	1,450	175	1,500	175	1,000	150	1,000	150	1,050	150	2,950	300
Management-related occupation	33,050	1,175	3,950	300	5,050	375	5,150	325	4,750	400	4,200	350	9,950	575
Non-S&E managers	55,650	1,175	2,950	275	5,500	400	6,950	400	8,100	425	10,500	550	21,650	800

TABLE 41

U.S. residing employed doctoral scientists and engineers, by occupation and years since doctorate: 2019

(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
Non-S&E postsecondary teachers	19,700	650	2,650	175	3,150	250	3,550	350	2,700	250	2,500	250	5,150	400
Non-S&E precollege/ other teachers	4,750	375	550	100	600	125	650	125	700	150	400	100	1,850	275
Sales, marketing occupation	9,400	450	1,250	175	1,600	200	1,350	200	1,200	175	1,200	175	2,750	275
Social service-related occupation	6,300	400	1,000	175	750	125	750	125	950	125	1,000	175	1,850	275
Other non-S&E occupation	13,750	650	1,650	225	1,900	200	2,200	275	1,700	225	1,650	250	4,650	400

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 2019.

Source(s):

National Center for Science and Engineering Statistics, Survey of Doctorate Recipients: 2019.