TABLE 40

U.S. residing employed doctoral scientists and engineers, by occupation and age: 2021

(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	872,100	2,425	99,200	925	130,150	1,225	127,550	1,400	111,200	1,250	104,550	1,225	98,950	1,375	86,450	1,375	114,100	1,575
Science occupations	502,250	2,725	64,850	1,000	81,600	1,250	76,400	1,175	63,750	1,075	54,450	1,125	51,550	1,075	44,900	1,175	64,700	1,200
Biological, agricultural, and other life scientists	160,850	1,700	23,300	675	27,800	775	25,350	675	20,500	675	16,550	600	15,550	525	14,050	675	17,750	725
Agricultural, food scientists	10,650	550	1,050	150	1,350	150	1,400	150	1,600	225	900	125	1,400	200	1,200	175	1,800	275
Biochemists, biophysicists	18,000	750	5,100	400	4,100	325	2,350	275	1,700	225	1,400	225	1,400	175	700	150	1,300	225
Biological scientists	26,050	850	4,450	300	4,900	325	4,200	350	3,500	325	2,500	300	2,050	275	2,050	275	2,450	325
Forestry, conservation scientists	2,400	225	100	50	350	100	350	75	450	100	300	100	250	75	250	75	350	100
Medical scientists	41,550	975	6,500	400	7,250	450	7,050	425	4,700	375	4,400	400	3,800	325	3,300	325	4,550	400
Postsecondary teachers, agricultural, other natural sciences	5,200	350	300	75	500	100	750	150	750	175	650	125	750	150	800	125	700	125
Postsecondary teachers, biological sciences	34,400	975	1,550	175	4,900	375	5,550	350	5,350	350	4,100	325	4,200	300	3,900	375	4,900	400
Other biological, agricultural, life scientists	22,600	825	4,250	325	4,450	325	3,750	325	2,500	300	2,400	325	1,700	275	1,850	250	1,650	250
Computer and information scientists	65,450	1,025	10,450	450	13,600	525	9,700	475	8,350	500	6,150	450	7,000	450	5,250	450	4,950	375
Computer and information scientists	55,100	1,125	9,650	475	12,000	500	8,100	425	6,800	500	4,900	450	6,000	425	3,800	400	3,850	350
Postsecondary teachers, computer science	10,350	550	800	175	1,600	250	1,600	275	1,550	250	1,200	175	1,000	200	1,500	225	1,100	175
Mathematical scientists	43,950	875	7,350	400	8,950	500	6,750	400	5,800	350	4,100	325	4,400	350	2,900	225	3,700	325
Mathematical scientists	24,900	750	5,200	325	6,450	500	3,850	325	2,800	300	2,000	250	1,950	250	1,150	175	1,550	200
Postsecondary teachers, mathematics, statistics	19,050	625	2,150	225	2,500	225	2,900	275	3,000	275	2,100	250	2,450	250	1,800	225	2,150	250
Physical scientists	85,100	1,375	12,100	475	11,450	425	13,200	550	10,400	500	9,400	450	9,500	500	8,800	500	10,250	575
Chemists, except biochemists	21,250	675	4,300	300	3,050	250	3,050	300	2,900	350	1,550	175	2,250	225	1,950	250	2,200	275
Earth, atmospheric, ocean scientists	11,500	400	1,750	200	1,700	150	1,800	200	1,250	150	1,050	125	1,150	150	1,300	175	1,550	150
Physicists, astronomers	13,550	625	2,900	250	1,750	175	1,800	300	1,350	250	1,400	225	1,300	225	1,250	225	1,750	250
Postsecondary teachers, chemistry	17,200	700	1,500	200	2,050	175	3,150	325	2,200	275	2,650	300	1,950	300	1,700	175	1,950	275
Postsecondary teachers, physics	10,100	550	450	100	1,350	200	1,600	225	1,250	200	1,400	275	1,400	200	1,100	200	1,550	250
Postsecondary teachers, other physical science	6,700	350	550	125	850	100	1,000	125	900	175	800	125	800	125	1,000	175	800	125
Other physical scientists	4,800	350	650	125	650	125	800	150	550	125	550	150	600	125	500	100	500	125
Psychologists	78,400	1,025	5,950	325	9,450	400	10,000	500	9,350	500	8,850	475	8,300	425	7,900	450	18,650	675
Psychologists	58,300	1,050	4,500	300	6,650	375	7,000	475	6,050	425	6,050	400	6,400	425	5,600	400	16,100	650
Postsecondary teachers, psychology	20,150	725	1,450	175	2,800	250	3,000	275	3,300	325	2,800	275	1,900	225	2,300	275	2,550	275
Social scientists	68,450	1,150	5,700	350	10,400	500	11,400	475	9,300	500	9,450	425	6,850	425	6,000	350	9,400	450
Economists	9,150	375	1,250	175	1,750	250	1,400	175	1,000	175	850	150	900	125	800	150	1,200	200
Political scientists	1,750	250	200	75	450	175	300	75	200	75	S	S	250	125	100	50	150	75
Postsecondary teachers, economics	10,900	600	900	150	1,500	200	1,800	250	1,400	200	1,300	200	950	150	1,150	200	1,850	225
Postsecondary teachers, political science	10,000	525	700	125	1,250	200	1,450	225	1,450	225	1,700	250	1,350	250	850	175	1,300	200
Postsecondary teachers, sociology	7,950	425	450	100	950	150	1,550	200	900	175	1,300	175	1,000	175	750	150	1,050	225
Postsecondary teachers, other social sciences	15,550	500	950	125	2,350	225	2,500	250	2,350	250	2,600	225	1,400	175	1,350	150	2,100	225

TABLE 40

U.S. residing employed doctoral scientists and engineers, by occupation and age: 2021

(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	3,800	300	200	75	550	100	600	100	600	150	450	100	200	50	300	75	900	175
Other social scientists	9,400	475	1,100	175	1,600	175	1,750	200	1,450	200	1,150	150	800	150	700	125	900	125
Engineering occupations	122,800	1,575	18,700	550	20,650	775	18,550	575	14,900	650	13,500	550	13,550	675	11,800	625	11,100	500
Aerospace, aeronautical, astronautical engineers	7,100	425	1,050	150	1,100	175	750	150	750	125	850	175	1,050	200	700	150	850	200
Chemical engineers	8,800	475	1,850	250	1,500	200	1,700	225	900	200	700	175	850	225	750	150	500	125
Civil, architectural, sanitary engineers	7,400	425	950	150	1,000	175	1,050	150	900	200	650	125	1,200	250	900	200	800	200
Electrical engineers	26,950	850	3,900	300	5,200	375	4,150	350	3,700	350	3,450	325	2,950	350	2,100	250	1,500	250
Industrial engineers	1,450	200	250	75	250	75	150	75	S	S	250	75	100	75	100	50	150	75
Mechanical engineers	14,250	625	2,100	250	2,250	300	2,150	250	2,000	250	1,600	250	1,450	275	1,650	225	1,050	200
Postsecondary teachers, engineering	26,100	750	2,400	225	3,950	350	4,050	350	3,350	325	2,600	300	3,100	325	3,100	350	3,550	350
Other engineers	30,750	825	6,200	400	5,300	400	4,550	350	3,150	300	3,450	375	2,900	300	2,550	275	2,650	275
S&E-related occupations	100,450	1,525	7,850	450	13,450	550	15,150	750	13,600	625	13,800	625	12,250	525	10,600	625	13,750	725
Health occupations, except postsecondary teachers and managers	30,750	850	2,750	250	4,000	325	4,000	375	3,950	325	3,400	300	3,400	300	3,350	325	5,850	450
Postsecondary teachers, health and related science	24,000	825	1,300	175	3,000	250	3,450	325	3,300	300	3,300	350	2,750	275	2,550	250	4,300	425
S&E managers, including health	30,550	950	1,800	225	3,550	350	5,500	475	5,050	450	5,000	450	4,250	325	3,300	325	2,050	250
S&E precollege teachers	5,300	325	400	125	700	150	600	100	500	100	1,100	175	800	125	650	150	550	175
S&E technicians/ technologists	9,100	600	1,550	175	2,050	250	1,400	200	700	200	1,000	175	850	175	650	125	850	200
Other S&E-related occupations	800	150	D	D	150	75	150	75	100	50	50	25	150	75	S	S	S	S
Non-S&E occupations	146,600	1,825	7,750	375	14,450	575	17,450	700	18,950	650	22,800	775	21,600	825	19,100	725	24,550	925
Arts, humanities-related occupations	9,150	500	1,250	175	1,350	175	1,200	200	1,300	250	900	150	800	150	750	150	1,600	225
Management-related occupations	29,100	975	2,500	250	4,100	350	3,850	350	3,800	350	4,100	325	3,700	325	3,250	350	3,750	300
Non-S&E managers	60,150	1,350	1,250	175	3,800	300	5,750	400	7,950	500	11,300	625	10,850	550	9,200	475	10,000	625
Non-S&E postsecondary teachers	17,250	575	850	150	1,900	175	2,200	200	2,300	225	2,350	250	2,300	250	2,250	275	3,050	250
Non-S&E precollege/ other teachers	3,700	350	200	75	150	50	400	125	450	125	400	100	500	125	450	125	1,150	225
Sales, marketing occupations	8,550	525	650	125	1,350	175	1,300	200	1,050	175	1,050	175	1,100	225	900	200	1,200	175
Social service-related occupations	6,000	350	150	50	450	100	550	125	500	150	950	175	800	150	800	150	1,800	250
Other non-S&E occupations	12,750	575	900	175	1,300	200	2,150	275	1,600	225	1,700	225	1,600	225	1,500	250	1,950	275

D = suppressed to avoid disclosure of confidential information. 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.