TABLE 39

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

(Number and SE)

Occupation	All employed		U.S. citizen						Non-U.S. citizen					
			Total		Native born		Naturalized		Total		Permanent resident		Temporary resident	
	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE
All occupations	872,100	2,425	746,850	2,200	554,050	1,850	192,800	1,675	125,250	1,425	84,250	1,300	40,950	825
Science occupations	502,250	2,725	425,050	2,525	329,800	2,175	95,250	1,275	77,200	1,350	49,800	1,125	27,400	800
Biological, agricultural, and other life scientists	160,850	1,700	136,750	1,550	106,400	1,350	30,350	900	24,100	800	14,100	600	10,050	550
Agricultural, food scientists	10,650	550	8,800	525	6,800	475	2,050	200	1,850	175	1,150	150	700	100
Biochemists, biophysicists	18,000	750	13,100	700	9,900	575	3,200	325	4,900	425	2,400	275	2,500	300
Biological scientists	26,050	850	22,750	775	18,450	725	4,300	350	3,300	350	1,700	275	1,600	250
Forestry, conservation scientists	2,400	225	2,250	225	2,100	200	150	100	150	75	100	25	S	S
Medical scientists	41,550	975	35,350	875	26,350	775	9,000	525	6,200	475	3,650	400	2,550	325
Postsecondary teachers, agricultural, other natural sciences	5,200	350	4,550	325	3,650	300	900	150	650	150	450	150	200	75
Postsecondary teachers, biological sciences	34,400	975	32,050	975	27,050	850	5,000	450	2,400	275	2,100	250	300	100
Other biological, agricultural, life scientists	22,600	825	17,900	725	12,150	550	5,750	475	4,700	350	2,550	275	2,150	250
Computer and information scientists	65,450	1,025	45,600	900	25,800	750	19,850	625	19,850	750	13,600	650	6,250	500
Computer and information scientists	55,100	1,125	37,700	950	21,650	700	16,050	650	17,400	775	11,800	650	5,600	475
Postsecondary teachers, computer science	10,350	550	7,950	475	4,150	350	3,750	350	2,450	275	1,800	250	650	150
Mathematical scientists	43,950	875	32,750	700	21,600	575	11,150	550	11,200	525	6,750	450	4,450	375
Mathematical scientists	24,900	750	17,100	575	11,100	475	6,000	400	7,800	475	4,450	400	3,350	350
Postsecondary teachers, mathematics, statistics	19,050	625	15,650	550	10,500	450	5,150	400	3,400	325	2,350	275	1,050	200
Physical scientists	85,100	1,375	72,650	1,150	56,200	1,025	16,450	725	12,450	725	8,650	625	3,800	300
Chemists, except biochemists	21,250	675	17,750	600	12,900	550	4,850	375	3,500	325	2,150	250	1,350	200
Earth, atmospheric, ocean scientists	11,500	400	9,550	375	7,950	350	1,650	150	1,950	225	1,300	200	650	100
Physicists, astronomers	13,550	625	11,150	525	8,700	450	2,400	250	2,400	350	1,500	325	900	150
Postsecondary teachers, chemistry	17,200	700	15,500	625	12,550	550	2,950	325	1,650	275	1,350	275	300	100
Postsecondary teachers, physics	10,100	550	8,600	550	6,100	425	2,500	350	1,500	225	1,300	225	200	75

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(Number and SE)

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			Total		Native born		Naturalized		Total		Permanent resident		Temporary resident	
	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE
Postsecondary teachers, other physical science	6,700	350	5,950	300	5,000	275	950	150	750	150	600	125	150	75
Other physical scientists	4,800	350	4,150	325	3,000	300	1,150	200	650	150	450	125	200	100
Psychologists	78,400	1,025	76,700	975	70,300	900	6,400	425	1,700	225	1,200	200	500	150
Psychologists	58,300	1,050	57,350	1,050	52,800	1,025	4,550	350	950	200	600	150	350	125
Postsecondary teachers, psychology	20,150	725	19,350	725	17,550	700	1,800	200	750	175	600	150	S	S
Social scientists	68,450	1,150	60,600	1,150	49,450	1,025	11,100	575	7,850	450	5,500	475	2,400	225
Economists	9,150	375	6,800	375	4,900	300	1,900	225	2,350	250	1,300	225	1,000	175
Political scientists	1,750	250	1,600	225	1,500	225	100	50	100	50	100	50	D	D
Postsecondary teachers, economics	10,900	600	8,950	550	6,300	475	2,650	275	1,950	275	1,350	250	550	125
Postsecondary teachers, political science	10,000	525	9,250	525	7,750	450	1,500	225	750	175	550	150	200	75
Postsecondary teachers, sociology	7,950	425	7,200	375	6,250	350	950	150	750	200	600	175	100	75
Postsecondary teachers, other social sciences	15,550	500	14,300	500	12,100	450	2,150	225	1,250	200	1,100	200	200	75
Sociologists, anthropologists	3,800	300	3,650	300	3,250	275	400	150	150	75	150	50	D	D
Other social scientists	9,400	475	8,850	450	7,400	400	1,450	225	550	125	300	100	250	100
Engineering occupations	122,800	1,575	93,150	1,425	51,600	1,100	41,550	1,075	29,600	950	20,100	750	9,550	450
Aerospace, aeronautical, astronautical engineers	7,100	425	6,650	425	4,200	275	2,450	325	450	125	300	100	150	75
Chemical engineers	8,800	475	6,600	425	4,000	350	2,600	300	2,150	250	1,300	200	850	175
Civil, architectural, sanitary engineers	7,400	425	5,250	375	1,950	200	3,350	375	2,150	225	1,500	200	600	125
Electrical engineers	26,950	850	18,700	775	8,800	525	9,900	575	8,250	450	5,800	400	2,400	275
Industrial engineers	1,450	200	1,100	175	650	125	450	100	350	100	250	75	100	50
Mechanical engineers	14,250	625	10,600	575	5,150	400	5,450	450	3,650	400	2,200	325	1,450	225
Postsecondary teachers, engineering	26,100	750	20,500	725	11,600	600	8,900	525	5,600	425	4,250	400	1,350	225
Other engineers	30,750	825	23,750	700	15,350	600	8,400	475	7,000	425	4,450	400	2,550	250
S&E-related occupations	100,450	1,525	91,600	1,425	67,550	1,125	24,050	900	8,900	475	6,650	450	2,250	275
Health occupations, except postsecondary teachers and managers	30,750	850	28,550	800	21,200	675	7,350	525	2,150	250	1,750	225	450	125

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			Total		Native born		Naturalized		Total		Permanent resident		Temporary resident	
	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE
Postsecondary teachers, health and related science	24,000	825	22,550	775	17,950	650	4,550	400	1,450	225	1,100	175	350	100
S&E managers, including health	30,550	950	27,350	825	18,750	625	8,650	550	3,200	375	2,500	350	700	200
S&E precollege teachers	5,300	325	5,150	325	4,250	275	900	200	150	75	100	50	D	D
S&E technicians/ technologists	9,100	600	7,400	500	5,150	450	2,250	275	1,650	225	1,050	175	650	150
Other S&E-related occupations	800	150	600	125	300	100	300	100	250	100	200	100	D	D
Non-S&E occupations	146,600	1,825	137,100	1,800	105,150	1,500	31,950	1,125	9,500	500	7,750	425	1,750	225
Arts, humanities-related occupations	9,150	500	8,550	500	7,450	425	1,100	200	600	150	400	100	200	100
Management-related occupations	29,100	975	26,400	900	19,700	700	6,750	525	2,650	300	2,150	250	500	125
Non-S&E managers	60,150	1,350	57,350	1,350	42,400	1,075	14,950	800	2,800	300	2,450	275	350	125
Non-S&E postsecondary teachers	17,250	575	15,350	550	11,950	475	3,400	300	1,900	225	1,450	200	400	100
Non-S&E precollege/ other teachers	3,700	350	3,650	350	2,950	300	750	175	50	50	S	S	D	D
Sales, marketing occupations	8,550	525	7,950	525	5,600	400	2,350	300	600	125	550	125	50	50
Social service-related occupations	6,000	350	5,850	350	5,200	350	650	125	100	50	100	50	D	D
Other non-S&E occupations	12,750	575	12,000	550	9,900	475	2,050	250	750	150	600	125	150	75

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.