TABLE 29

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

(Number and SE)

Occupation	Total		Employed						Unemployed[a]		Retired		Not employed or not seeking work[b]	
			Total		Full time		Part time							
	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE
All occupations	1,021,950	1,950	872,100	2,425	779,600	2,425	92,500	1,375	16,600	750	114,750	1,525	18,500	700
Science occupations	585,800	2,750	502,250	2,725	447,950	2,700	54,300	1,025	8,150	550	63,650	1,200	11,750	600
Biological, agricultural, and other life scientists	186,900	1,825	160,850	1,700	149,850	1,700	11,000	575	2,550	275	19,300	700	4,200	350
Agricultural, food scientists	13,100	600	10,650	550	9,650	525	1,000	175	200	50	2,100	275	200	50
Biochemists, biophysicists	20,750	750	18,000	750	17,200	725	750	175	200	75	1,700	250	900	175
Biological scientists	29,650	850	26,050	850	24,400	800	1,650	200	350	100	2,500	250	800	125
Forestry, conservation scientists	2,900	250	2,400	225	2,100	225	300	75	D	D	400	75	S	S
Medical scientists	47,300	1,000	41,550	975	38,550	950	2,950	275	950	225	3,950	350	850	175
Postsecondary teachers, agricultural, other natural sciences	6,450	375	5,200	350	4,900	350	300	75	D	D	1,100	175	50	50
Postsecondary teachers, biological sciences	41,050	1,050	34,400	975	32,000	950	2,400	275	350	100	5,650	400	650	150
Other biological, agricultural, life scientists	25,600	900	22,600	825	21,000	800	1,600	225	450	125	1,850	225	700	125
Computer and information scientists	74,150	1,025	65,450	1,025	62,000	1,000	3,450	300	1,250	275	6,150	425	1,300	250
Computer and information scientists	62,400	1,150	55,100	1,125	52,450	1,125	2,650	275	1,100	275	5,150	375	1,100	200
Postsecondary teachers, computer science	11,750	600	10,350	550	9,550	550	800	150	150	50	1,050	200	200	125
Mathematical scientists	49,750	950	43,950	875	41,000	850	2,950	300	600	125	4,250	375	900	200
Mathematical scientists	27,700	800	24,900	750	23,450	725	1,450	225	450	125	1,950	250	450	125
Postsecondary teachers, mathematics, statistics	22,050	675	19,050	625	17,550	575	1,500	225	150	50	2,300	225	500	175
Physical scientists	101,300	1,425	85,100	1,375	78,300	1,350	6,800	400	1,450	225	13,050	525	1,650	200
Chemists, except biochemists	26,300	725	21,250	675	19,950	650	1,250	175	650	150	4,000	350	400	100
Earth, atmospheric, ocean scientists	13,950	450	11,500	400	10,350	375	1,150	125	250	75	1,950	200	250	75
Physicists, astronomers	15,850	700	13,550	625	12,600	600	950	150	200	75	1,850	250	250	75
Postsecondary teachers, chemistry	19,450	750	17,200	700	15,400	700	1,750	250	150	75	1,800	250	300	100
Postsecondary teachers, physics	11,900	600	10,100	550	9,350	550	750	125	S	S	1,400	200	250	125

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(Number and SE)

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			Total		Full time		Part time							
	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE
Postsecondary teachers, other physical science	7,850	375	6,700	350	6,250	350	500	100	50	25	1,000	150	100	50
Other physical scientists	5,900	425	4,800	350	4,350	325	450	125	D	D	1,050	225	50	25
Psychologists	92,550	950	78,400	1,025	56,000	1,025	22,400	750	900	150	10,850	550	2,400	325
Psychologists	68,600	1,000	58,300	1,050	38,100	900	20,150	750	650	150	7,800	450	1,850	300
Postsecondary teachers, psychology	23,900	825	20,150	725	17,900	725	2,250	225	250	75	3,000	325	550	150
Social scientists	81,200	1,225	68,450	1,150	60,750	1,000	7,700	475	1,400	225	10,050	550	1,300	225
Economists	10,800	425	9,150	375	8,100	375	1,050	150	100	50	1,350	200	250	125
Political scientists	2,600	325	1,750	250	1,550	225	200	75	S	S	500	150	200	125
Postsecondary teachers, economics	12,750	625	10,900	600	9,700	575	1,200	175	150	75	1,550	225	S	S
Postsecondary teachers, political science	11,250	550	10,000	525	9,150	475	850	200	300	150	900	175	100	50
Postsecondary teachers, sociology	9,550	450	7,950	425	7,150	400	800	175	100	50	1,400	200	50	50
Postsecondary teachers, other social sciences	18,150	550	15,550	500	14,100	475	1,450	175	250	100	2,250	275	100	50
Sociologists, anthropologists	4,900	375	3,800	300	3,000	275	800	175	200	75	800	150	100	50
Other social scientists	11,200	525	9,400	475	8,000	450	1,400	175	150	50	1,300	200	300	100
Engineering occupations	138,100	1,575	122,800	1,575	116,050	1,525	6,750	475	2,150	275	11,850	600	1,250	200
Aerospace, aeronautical, astronautical engineers	8,000	450	7,100	425	6,650	400	400	150	100	75	750	150	D	D
Chemical engineers	10,050	500	8,800	475	8,500	450	300	100	250	100	950	200	100	50
Civil, architectural, sanitary engineers	8,050	450	7,400	425	6,750	400	650	200	S	S	400	150	100	50
Electrical engineers	29,850	875	26,950	850	25,750	850	1,200	250	200	75	2,450	275	250	75
Industrial engineers	1,550	225	1,450	200	1,300	200	100	50	D	D	S	S	D	D
Mechanical engineers	16,150	650	14,250	625	13,750	600	500	125	400	125	1,400	225	100	50
Postsecondary teachers, engineering	28,550	775	26,100	750	24,850	750	1,250	200	200	100	2,000	325	200	75
Other engineers	35,900	925	30,750	825	28,450	800	2,250	275	850	150	3,800	350	500	150
S&E-related occupations	119,200	1,700	100,450	1,525	91,200	1,425	9,300	600	2,000	225	14,650	675	2,050	300
Health occupations, except postsecondary teachers and managers	36,550	975	30,750	850	26,050	800	4,650	375	750	150	4,100	350	950	200

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(Number and SE)

Occupation	Total		Employed						Unemployed[a]		Retired		Not employed or not seeking work[b]	
			Total		Full time		Part time							
	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE
Postsecondary teachers, health and related science	28,650	875	24,000	825	21,600	775	2,400	275	400	125	4,050	350	200	100
S&E managers, including health	35,350	1,025	30,550	950	29,650	950	950	200	450	125	4,150	325	200	100
S&E precollege teachers	7,100	400	5,300	325	4,750	325	550	100	250	100	1,200	150	400	125
S&E technicians/ technologists	10,400	625	9,100	600	8,350	550	700	150	200	75	900	175	250	125
Other S&E-related occupations	1,150	175	800	150	800	150	D	D	D	D	300	125	D	D
Non-S&E occupations	178,900	1,950	146,600	1,825	124,450	1,825	22,200	750	4,300	400	24,600	850	3,450	275
Arts, humanities-related occupations	11,500	600	9,150	500	6,150	425	3,000	300	350	100	1,350	200	650	125
Management-related occupations	35,200	1,025	29,100	975	24,700	925	4,350	375	950	200	4,650	325	500	100
Non-S&E managers	70,100	1,350	60,150	1,350	56,150	1,325	4,000	325	700	175	8,850	600	400	125
Non-S&E postsecondary teachers	21,050	675	17,250	575	14,650	550	2,600	275	300	75	3,300	300	250	75
Non-S&E precollege/ other teachers	5,950	475	3,700	350	1,850	275	1,850	225	400	100	1,300	225	550	125
Sales, marketing occupations	10,800	600	8,550	525	7,000	450	1,550	225	350	100	1,600	225	300	75
Social service-related occupations	7,600	400	6,000	350	3,950	300	2,050	225	200	50	1,100	175	350	125
Other non-S&E occupations	16,750	650	12,750	575	9,950	525	2,800	300	1,050	200	2,400	250	500	125

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.

[a] Unemployed includes individuals who were not working during the survey reference week but had been seeking work in the prior 4 weeks or who were on layoff from their job.

[b] Not employed or not seeking work includes individuals who were not working during the survey reference week and had not been seeking work in the prior 4 weeks because of family responsibilities, chronic illness, or other reasons.

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. If respondent was not employed during survey reference period, occupation when last employed was reported. Excludes 350 individuals who reported never having worked so could not be classified by occupation. Designation of full-time and part-time employment status is based on principal job only, not on all jobs held in labor force. For example, an individual could work part time in his or her principal job but full time in the labor force. Full time is based on working 35 or more hours per week. 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.