

TABLE 30

U.S. residing doctoral scientists and engineers, by broad occupation, employment status, and sex: 2019

(Number and SE)

Occupation and employment status	Total		Male		Female	
	Number	SE	Number	SE	Number	SE
All occupations	1,008,750	1,475	644,550	1,400	364,200	1,025
Full time	763,350	2,000	496,700	1,925	266,650	1,325
Part time	93,900	1,525	49,350	1,275	44,550	925
Unemployed ^a	14,100	650	8,500	575	5,600	350
Retired	120,000	1,400	84,700	1,275	35,300	650
Not employed or not seeking work ^b	17,450	625	5,300	375	12,100	475
Science occupations	578,050	2,425	358,950	2,050	219,100	1,350
Full time	438,250	2,325	275,700	1,975	162,550	1,300
Part time	54,500	1,225	28,350	925	26,150	750
Unemployed ^a	7,250	425	4,050	350	3,200	250
Retired	67,750	1,125	47,950	1,025	19,750	550
Not employed or not seeking work ^b	10,300	450	2,850	275	7,450	375
Biological, agricultural, and other life scientist	183,050	1,625	106,250	1,275	76,850	975
Full time	145,900	1,575	83,650	1,225	62,250	950
Part time	10,750	525	6,350	450	4,400	275
Unemployed ^a	2,950	300	1,700	250	1,250	150
Retired	19,650	725	13,600	600	6,050	325
Not employed or not seeking work ^b	3,750	275	900	150	2,850	225
Computer and information scientist	71,350	1,075	59,100	1,000	12,250	475
Full time	59,750	1,075	50,200	1,000	9,550	450
Part time	3,250	350	2,450	300	750	125
Unemployed ^a	750	125	550	100	200	75
Retired	6,600	375	5,300	375	1,250	150
Not employed or not seeking work ^b	1,000	175	550	150	500	125
Mathematical scientist	47,850	825	33,500	800	14,300	450
Full time	38,150	750	26,750	725	11,350	400
Part time	3,300	300	2,200	275	1,100	125
Unemployed ^a	600	125	350	100	250	75
Retired	5,050	325	3,900	300	1,200	150
Not employed or not seeking work ^b	750	150	350	125	400	100
Physical scientist	101,350	1,325	77,500	1,125	23,850	575
Full time	76,850	1,250	58,300	1,125	18,550	475
Part time	7,700	425	5,550	400	2,150	200
Unemployed ^a	1,450	175	900	150	550	125
Retired	13,950	550	12,250	525	1,700	175
Not employed or not seeking work ^b	1,450	150	500	125	950	125
Psychologist	91,600	975	36,150	675	55,400	850
Full time	56,250	1,000	22,250	625	34,050	800
Part time	21,350	775	7,550	550	13,800	550
Unemployed ^a	500	125	150	75	350	100
Retired	11,650	575	5,900	400	5,750	350
Not employed or not seeking work ^b	1,850	200	300	100	1,500	200
Social scientist	82,850	1,050	46,450	800	36,400	700
Full time	61,300	875	34,550	725	26,800	600
Part time	8,200	475	4,200	375	3,950	275
Unemployed ^a	1,050	150	400	100	650	125
Retired	10,800	475	7,050	400	3,750	275

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	Number	SE	Number	SE	Number	SE
Not employed or not seeking work ^b	1,500	175	250	75	1,200	150
Engineering occupations	136,750	1,375	115,950	1,375	20,800	650
Full time	114,500	1,350	96,650	1,350	17,900	600
Part time	6,100	425	5,000	425	1,100	175
Unemployed ^a	2,250	250	1,800	250	400	100
Retired	12,350	575	11,600	575	750	125
Not employed or not seeking work ^b	1,550	225	900	200	600	125
S&E-related occupations	108,900	1,600	60,950	1,325	47,950	900
Full time	83,900	1,475	48,200	1,175	35,700	800
Part time	8,450	450	3,400	300	5,050	350
Unemployed ^a	1,450	200	750	150	700	150
Retired	13,750	550	8,250	425	5,500	325
Not employed or not seeking work ^b	1,400	175	350	100	1,050	150
Non-S&E occupations	185,050	1,900	108,700	1,550	76,350	1,225
Full time	126,700	1,575	76,200	1,400	50,500	1,050
Part time	24,800	825	12,550	625	12,250	525
Unemployed ^a	3,150	300	1,850	250	1,300	175
Retired	26,150	825	16,900	700	9,300	450
Not employed or not seeking work ^b	4,250	350	1,200	225	3,050	250

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 2019.

Source(s):

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