

TABLE 30

U.S. residing doctoral scientists and engineers, by broad occupation, employment status, and sex: 2023

(Number and SE)

Occupation and employment status	Total		Male		Female	
	Number	SE	Number	SE	Number	SE
All occupations	1,058,700	1,900	654,700	1,675	404,000	1,200
Full time	803,700	2,550	505,100	2,100	298,650	1,650
Part time	104,950	1,600	53,800	1,200	51,150	1,100
Unemployed ^a	11,050	525	6,800	450	4,250	325
Retired	122,450	1,250	83,450	1,075	39,050	800
Not employed and not seeking work ^b	16,450	700	5,600	450	10,900	550
Science occupations	566,250	2,850	356,000	2,325	210,250	1,475
Full time	443,700	2,625	278,650	2,150	165,050	1,550
Part time	45,600	950	26,200	850	19,400	675
Unemployed ^a	6,000	375	3,650	325	2,350	225
Retired	61,800	1,300	44,400	1,125	17,400	550
Not employed and not seeking work ^b	9,150	525	3,100	325	6,050	400
Biological, agricultural, and other life scientists	196,350	1,675	111,300	1,650	85,050	1,150
Full time	154,650	1,450	86,400	1,400	68,250	1,125
Part time	13,500	575	7,350	475	6,150	400
Unemployed ^a	2,350	250	1,200	175	1,150	175
Retired	21,500	750	15,000	650	6,500	350
Not employed and not seeking work ^b	4,300	425	1,350	250	3,000	300
Computer and information scientists	86,500	1,350	69,900	1,200	16,550	675
Full time	71,550	1,200	58,250	1,125	13,300	575
Part time	5,350	425	3,900	375	1,500	225
Unemployed ^a	1,150	200	850	150	300	100
Retired	7,450	475	6,300	450	1,150	125
Not employed and not seeking work ^b	950	200	650	175	350	100
Mathematical scientists	54,250	1,050	37,650	850	16,600	550
Full time	44,650	1,000	30,900	800	13,750	550
Part time	4,000	325	2,850	300	1,100	175
Unemployed ^a	700	175	500	150	200	75
Retired	4,200	300	3,150	300	1,050	125
Not employed and not seeking work ^b	700	150	250	100	500	100
Physical scientists	104,900	1,375	77,750	1,350	27,150	650
Full time	80,500	1,150	59,150	1,100	21,350	600
Part time	7,850	500	5,650	475	2,150	200
Unemployed ^a	900	175	600	125	300	100
Retired	14,150	650	11,750	650	2,400	200
Not employed and not seeking work ^b	1,450	175	600	125	900	125
Psychologists	42,400	925	16,500	650	25,900	750
Full time	30,200	825	11,200	500	19,000	625
Part time	6,250	450	2,250	300	4,000	375
Unemployed ^a	250	75	150	75	100	50
Retired	5,100	350	2,750	250	2,350	250
Not employed and not seeking work ^b	600	150	100	75	500	125
Social scientists	81,800	1,200	42,900	875	38,950	850
Full time	62,100	1,200	32,750	825	29,400	775
Part time	8,650	500	4,200	375	4,450	325
Unemployed ^a	600	100	350	100	300	75
Retired	9,350	500	5,400	425	3,950	275
Not employed and not seeking work ^b	1,050	200	200	75	850	175

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	Number	SE	Number	SE	Number	SE
Engineering occupations	142,000	1,700	118,150	1,675	23,850	625
Full time	118,950	1,500	98,250	1,500	20,650	575
Part time	8,600	575	7,200	525	1,400	175
Unemployed ^a	1,350	250	1,150	225	200	75
Retired	11,700	550	10,700	525	950	150
Not employed and not seeking work ^b	1,400	225	800	225	600	125
S&E-related occupations	161,700	1,950	77,400	1,550	84,300	1,250
Full time	110,600	1,800	55,750	1,400	54,850	1,025
Part time	24,850	775	7,700	475	17,150	650
Unemployed ^a	1,450	225	650	150	800	175
Retired	22,600	775	12,550	600	10,050	500
Not employed and not seeking work ^b	2,200	275	750	175	1,450	225
Non-S&E occupations	188,750	2,125	103,150	1,675	85,600	1,375
Full time	130,500	1,800	72,400	1,475	58,100	1,100
Part time	25,900	825	12,700	575	13,200	625
Unemployed ^a	2,250	225	1,300	225	900	125
Retired	26,400	775	15,800	625	10,600	525
Not employed and not seeking work ^b	3,700	350	950	175	2,750	300

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 and 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 250 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 2023.

Source(s):

National Center for Science and Engineering Statistics, Survey of Doctorate Recipients, 2023.