

TABLE 31

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

(Number and SE)

Occupation and employment status	Total		Hispanic or Latino <sup>a</sup>		Not Hispanic or Latino <sup>b</sup>									
					American Indian or Alaska Native		Asian		Black or African American		White		Other race <sup>c</sup>	
	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE
All occupations	1,008,750	1,475	41,350	550	1,600	150	235,000	1,325	35,050	350	682,350	1,425	13,400	400
Full time	763,350	2,000	33,250	575	1,100	125	201,300	1,375	27,650	425	489,300	1,775	10,700	350
Part time	93,900	1,525	3,950	250	150	50	12,050	625	3,400	275	73,050	1,275	1,250	150
Unemployed <sup>d</sup>	14,100	650	850	125	50	50	3,950	350	1,050	175	8,000	475	150	50
Retired	120,000	1,400	2,250	200	150	50	13,500	700	2,300	200	100,800	1,400	1,000	150
Not employed or not seeking work <sup>e</sup>	17,450	625	1,000	175	50	50	4,150	350	650	125	11,200	500	350	75
Science occupations	578,050	2,425	25,100	475	800	125	124,200	1,600	18,400	400	401,750	2,100	7,750	325
Full time	438,250	2,325	20,200	450	500	100	107,700	1,475	14,300	425	289,400	1,950	6,150	300
Part time	54,500	1,225	2,550	200	100	50	5,850	425	2,050	200	43,200	1,075	750	125
Unemployed <sup>d</sup>	7,250	425	550	100	50	50	2,050	250	650	150	3,900	300	100	50
Retired	67,750	1,125	1,300	125	100	50	6,100	425	1,100	150	58,550	1,050	600	125
Not employed or not seeking work <sup>e</sup>	10,300	450	550	75	D	D	2,500	300	350	100	6,700	375	200	75
Biological, agricultural, and other life scientist	183,050	1,625	8,050	300	150	50	43,300	925	5,100	250	123,600	1,400	2,850	200
Full time	145,900	1,575	6,950	275	100	25	38,350	900	4,100	200	94,100	1,200	2,350	175
Part time	10,750	525	400	75	D	D	1,250	200	350	100	8,600	450	150	50
Unemployed <sup>d</sup>	2,950	300	300	75	S	S	850	175	300	125	1,450	200	50	25
Retired	19,650	725	250	50	D	D	1,750	225	200	50	17,200	675	250	75
Not employed or not seeking work <sup>e</sup>	3,750	275	200	50	D	D	1,150	200	100	50	2,250	200	50	25
Computer and information scientist	71,350	1,075	1,850	150	D	D	31,250	900	1,150	125	36,450	750	650	100
Full time	59,750	1,075	1,600	150	D	D	28,150	825	900	100	28,500	700	600	100
Part time	3,250	350	100	50	D	D	800	175	150	75	2,200	275	D	D
Unemployed <sup>d</sup>	750	125	50	50	D	D	200	75	D	D	450	100	D	D
Retired	6,600	375	100	50	D	D	1,650	250	50	50	4,800	300	D	D
Not employed or not seeking work <sup>e</sup>	1,000	175	D	D	D	D	450	125	50	25	500	125	D	D
Mathematical scientist	47,850	825	1,850	150	D	D	15,650	575	1,250	125	28,550	650	550	75
Full time	38,150	750	1,500	150	D	D	13,600	575	950	100	21,600	625	400	75
Part time	3,300	300	100	50	D	D	900	200	150	50	2,100	200	50	50
Unemployed <sup>d</sup>	600	125	S	S	D	D	300	100	D	D	250	75	D	D
Retired	5,050	325	150	50	D	D	650	175	100	50	4,150	275	S	S
Not employed or not seeking work <sup>e</sup>	750	150	D	D	D	D	200	75	*	*	450	125	D	D
Physical scientist	101,350	1,325	3,600	200	100	50	19,550	725	2,500	225	74,450	1,125	1,150	125
Full time	76,850	1,250	2,900	175	50	25	16,550	675	2,100	200	54,250	1,000	1,000	125
Part time	7,700	425	350	75	D	D	1,000	200	200	75	6,100	400	50	25
Unemployed <sup>d</sup>	1,450	175	50	50	D	D	500	150	S	S	800	125	D	D
Retired	13,950	550	250	50	D	D	1,250	225	150	50	12,250	500	100	50
Not employed or not seeking work <sup>e</sup>	1,450	150	50	50	D	D	300	100	D	D	1,050	150	D	D
Psychologist	91,600	975	4,950	225	250	75	5,000	350	3,850	225	76,200	950	1,350	150
Full time	56,250	1,000	3,400	200	150	75	3,550	325	2,850	225	45,550	925	800	125
Part time	21,350	775	1,150	150	D	D	850	175	600	100	18,300	750	350	100

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(Number and SE)

Occupation and employment status	Total		Hispanic or Latino <sup>a</sup>		Not Hispanic or Latino <sup>b</sup>									
					American Indian or Alaska Native		Asian		Black or African American		White		Other race <sup>c</sup>	
	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE
Unemployed <sup>d</sup>	500	125	*	*	D	D	D	D	S	S	350	100	D	D
Retired	11,650	575	300	75	D	D	400	125	250	75	10,600	575	50	50
Not employed or not seeking work <sup>e</sup>	1,850	200	100	50	D	D	200	75	D	D	1,350	200	100	50
Social scientist	82,850	1,050	4,750	250	300	75	9,450	450	4,600	275	62,500	975	1,250	150
Full time	61,300	875	3,850	250	200	75	7,550	400	3,400	250	45,350	825	950	100
Part time	8,200	475	450	75	D	D	1,050	200	650	125	5,900	400	150	75
Unemployed <sup>d</sup>	1,050	150	50	50	D	D	200	75	150	75	600	125	D	D
Retired	10,800	475	300	75	50	50	450	100	350	75	9,550	425	S	S
Not employed or not seeking work <sup>e</sup>	1,500	175	100	50	D	D	200	75	100	50	1,100	175	D	D
Engineering occupations	136,750	1,375	5,300	275	100	50	54,300	1,125	3,200	175	72,300	1,125	1,550	200
Full time	114,500	1,350	4,450	250	100	50	47,900	1,125	2,850	175	57,850	1,100	1,300	200
Part time	6,100	425	250	75	D	D	1,750	300	50	25	4,000	325	50	25
Unemployed <sup>d</sup>	2,250	250	50	25	D	D	1,000	200	S	S	1,000	175	D	D
Retired	12,350	575	250	75	D	D	3,150	325	100	50	8,700	475	150	75
Not employed or not seeking work <sup>e</sup>	1,550	225	S	S	D	D	450	125	50	25	750	150	D	D
S&E-related occupations	108,900	1,600	4,000	225	250	50	24,350	850	4,600	250	74,250	1,325	1,400	150
Full time	83,900	1,475	3,400	200	150	50	20,950	825	3,800	225	54,400	1,150	1,200	125
Part time	8,450	450	350	75	D	D	1,050	175	400	75	6,550	400	100	50
Unemployed <sup>d</sup>	1,450	200	S	S	D	D	350	125	50	25	1,000	175	D	D
Retired	13,750	550	200	75	S	S	1,600	250	350	75	11,500	500	100	50
Not employed or not seeking work <sup>e</sup>	1,400	175	50	25	D	D	450	125	50	50	800	125	D	D
Non-S&E occupations	185,050	1,900	6,950	300	400	75	32,150	950	8,850	350	134,050	1,775	2,650	175
Full time	126,700	1,575	5,200	250	350	75	24,750	825	6,700	325	87,700	1,400	2,000	175
Part time	24,800	825	850	125	50	25	3,400	350	950	125	19,250	725	350	75
Unemployed <sup>d</sup>	3,150	300	200	50	D	D	550	175	250	75	2,100	250	50	25
Retired	26,150	825	500	125	D	D	2,700	300	750	125	22,050	800	200	50
Not employed or not seeking work <sup>e</sup>	4,250	350	200	50	D	D	800	175	200	75	2,950	275	100	50

\* = suppressed when population estimate < 25. 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.

<sup>a</sup> Hispanic or Latino may be of any race.

<sup>b</sup> American Indian or Alaska Native, Asian, Black or African American, and White are single race.

<sup>c</sup> Other race includes Native Hawaiian or Other Pacific Islander and persons reporting more than one race who are not of Hispanic or Latino ethnicity.

<sup>d</sup> 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.

<sup>e</sup> 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.