

TABLE 43

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

(Number and SE)

Employment sector and occupation	All employed		Male		Female	
	Number	SE	Number	SE	Number	SE
All sectors	857,200	1,975	546,050	1,750	311,200	1,200
Science occupations	492,750	2,500	304,050	1,950	188,700	1,400
Biological, agricultural, and other life scientist	156,650	1,525	90,050	1,175	66,650	925
Computer and information scientist	63,000	1,100	52,650	1,000	10,350	475
Mathematical scientist	41,400	750	28,950	725	12,450	425
Physical scientist	84,550	1,275	63,850	1,125	20,650	500
Psychologist	77,600	950	29,800	700	47,850	850
Social scientist	69,500	1,025	38,750	800	30,750	625
Engineering occupations	120,650	1,375	101,600	1,400	19,000	625
S&E-related occupations	92,350	1,475	51,600	1,200	40,750	850
Non-S&E occupations	151,500	1,650	88,750	1,450	62,750	1,100
4-year educational institution ^a	344,350	2,325	211,850	2,075	132,500	1,450
Science occupations	230,400	1,950	142,300	1,725	88,050	1,150
Biological, agricultural, and other life scientist	76,650	1,200	45,100	1,000	31,550	650
Computer and information scientist	14,050	600	11,350	575	2,700	225
Mathematical scientist	21,600	600	15,450	500	6,100	325
Physical scientist	42,000	925	31,100	875	10,900	400
Psychologist	25,900	700	10,600	450	15,300	600
Social scientist	50,200	950	28,650	775	21,500	575
Engineering occupations	35,900	850	29,950	875	5,950	325
S&E-related occupations	35,800	925	17,100	725	18,700	575
Non-S&E occupations	42,300	850	22,500	675	19,750	550
Other educational institution ^b	30,900	900	14,300	675	16,600	575
Science occupations	18,100	700	8,600	525	9,500	425
Biological, agricultural, and other life scientist	4,600	375	1,900	250	2,650	250
Computer and information scientist	550	100	400	125	100	50
Mathematical scientist	1,350	175	850	150	500	100
Physical scientist	4,350	325	2,600	275	1,750	175
Psychologist	4,700	300	1,550	200	3,150	250
Social scientist	2,550	275	1,250	225	1,350	175
Engineering occupations	450	150	300	125	100	75
S&E-related occupations	5,950	400	3,150	325	2,850	225
Non-S&E occupations	6,400	325	2,250	225	4,150	275
Private, for profit ^c	306,300	2,500	218,700	2,050	87,600	1,225
Science occupations	142,200	1,800	96,300	1,550	45,950	925
Biological, agricultural, and other life scientist	42,900	1,175	24,400	925	18,500	625
Computer and information scientist	41,750	1,075	35,650	1,000	6,100	400
Mathematical scientist	13,700	525	9,500	500	4,200	325
Physical scientist	22,650	675	18,100	625	4,550	275
Psychologist	16,350	575	6,300	425	10,050	475
Social scientist	4,900	325	2,350	250	2,550	225
Engineering occupations	67,300	1,325	57,300	1,250	10,000	475
S&E-related occupations	29,000	875	19,900	775	9,100	450
Non-S&E occupations	67,800	1,175	45,250	1,050	22,550	775
Private, nonprofit	55,900	1,125	31,100	925	24,800	625
Science occupations	29,850	775	16,850	575	13,000	500
Biological, agricultural, and other life scientist	10,650	475	5,950	375	4,700	300
Computer and information scientist	2,600	275	1,950	250	650	125
Mathematical scientist	1,900	200	1,350	175	600	100
Physical scientist	4,400	350	3,500	325	900	125

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(Number and SE)

Employment sector and occupation	All employed		Male		Female	
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Psychologist	6,600	400	2,450	275	4,150	350
Social scientist	3,650	300	1,700	200	1,950	175
Engineering occupations	4,550	350	3,700	325	850	125
S&E-related occupations	9,950	500	5,250	375	4,700	350
Non-S&E occupations	11,600	550	5,350	400	6,300	350
Federal government	50,150	1,025	31,150	825	19,000	650
Science occupations	33,300	850	19,450	700	13,900	575
Biological, agricultural, and other life scientist	14,550	550	8,300	475	6,200	350
Computer and information scientist	1,400	175	1,100	150	300	100
Mathematical scientist	1,850	200	1,100	150	750	125
Physical scientist	6,800	375	5,050	350	1,750	175
Psychologist	5,200	425	2,000	250	3,250	300
Social scientist	3,500	300	1,900	250	1,650	200
Engineering occupations	6,450	375	5,450	375	1,000	100
S&E-related occupations	4,750	350	2,900	275	1,850	200
Non-S&E occupations	5,650	400	3,350	375	2,250	250
State or local government	18,850	750	10,950	550	7,900	425
Science occupations	10,400	525	6,300	425	4,150	325
Biological, agricultural, and other life scientist	3,050	275	1,800	200	1,250	150
Computer and information scientist	600	150	450	125	150	75
Mathematical scientist	500	125	350	125	150	50
Physical scientist	2,000	225	1,600	225	400	75
Psychologist	2,750	300	1,150	200	1,600	225
Social scientist	1,550	225	950	200	600	125
Engineering occupations	2,100	250	1,550	225	550	125
S&E-related occupations	2,900	275	1,500	225	1,400	200
Non-S&E occupations	3,400	300	1,600	250	1,800	200
Self-employed ^d	40,750	1,100	21,750	950	19,000	575
Science occupations	23,250	825	11,000	575	12,250	500
Biological, agricultural, and other life scientist	3,350	275	2,200	275	1,150	150
Computer and information scientist	1,250	200	1,100	200	100	50
Mathematical scientist	300	75	200	75	S	S
Physical scientist	1,300	150	1,150	150	150	50
Psychologist	15,550	700	5,500	450	10,100	475
Social scientist	1,550	200	900	175	650	125
Engineering occupations	2,150	275	1,950	275	200	75
S&E-related occupations	2,750	225	1,400	200	1,350	150
Non-S&E occupations	12,600	650	7,400	525	5,200	350
Other sector ^e	10,050	550	6,250	450	3,800	350
Science occupations	5,250	425	3,300	350	1,950	250
Biological, agricultural, and other life scientist	1,000	150	350	75	600	125
Computer and information scientist	850	175	650	150	200	75
Mathematical scientist	250	75	150	75	100	50
Physical scientist	1,000	175	800	175	200	50
Psychologist	500	150	250	125	300	100
Social scientist	1,600	250	1,050	200	550	150
Engineering occupations	1,750	275	1,450	250	300	100
S&E-related occupations	1,300	225	450	125	850	175
Non-S&E occupations	1,800	250	1,100	175	700	125

S = suppressed for reliability; coefficient of variation exceeds publication standards.

S&E = science and engineering; SE = standard error.

^a Includes 4-year colleges or universities, medical schools (including university-affiliated hospitals or medical centers), and university-affiliated research institutes.

^b Includes 2-year colleges, community colleges, or technical institutes, and other precollege institutions.

^c Includes those self-employed in an incorporated business.

^d Self-employed or business owner in a nonincorporated business.

^e Includes employers not broken out separately.

Note(s):

Numbers are rounded to nearest 50. Detail may not add to total because of rounding. Standard errors are rounded up to nearest 25. 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.