TABLE 43

U.S. residing employed doctoral scientists and engineers, by sector of employment, broad occupation, and sex: 2021

(Number and SE)

Employment sector and occupation	All employed		Male		Female	
	Number	SE	Number	SE	Number	SE
All sectors	872,100	2,425	543,550	2,350	328,500	1,250
Science occupations	502,250	2,725	301,700	2,300	200,550	1,575
Biological, agricultural, and other life scientists	160,850	1,700	90,550	1,400	70,300	1,000
Computer and information scientists	65,450	1,025	53,250	1,025	12,200	425
Mathematical scientists	43,950	875	31,350	800	12,600	450
Physical scientists	85,100	1,375	62,150	1,200	22,950	675
Psychologists	78,400	1,025	27,550	875	50,850	825
Social scientists	68,450	1,150	36,850	925	31,600	725
Engineering occupations	122,800	1,575	101,650	1,550	21,100	625
S&E-related occupations	100,450	1,525	56,900	1,200	43,600	1,050
Non-S&E occupations	146,600	1,825	83,300	1,525	63,300	975
4-year educational institution[a]	340,950	2,450	204,700	2,175	136,250	1,375
Science occupations	227,900	2,150	137,800	1,750	90,150	1,250
Biological, agricultural, and other life scientists	77,100	1,275	44,550	1,100	32,550	725
Computer and information scientists	14,600	625	11,300	625	3,250	275
Mathematical scientists	21,200	625	15,450	525	5,700	350
Physical scientists	41,000	1,000	29,150	825	11,850	500
Psychologists	26,100	775	10,750	575	15,350	550
Social scientists	47,950	950	26,550	800	21,400	625
Engineering occupations	36,600	1,000	29,400	900	7,250	425
S&E-related occupations	36,750	1,025	17,000	800	19,750	650
Non-S&E occupations	39,650	875	20,500	700	19,150	600
Other educational institution[b]	27,800	825	12,600	575	15,150	600
Science occupations	15,900	625	7,450	425	8,500	450
Biological, agricultural, and other life scientists	3,650	325	1,250	175	2,400	250
Computer and information scientists	600	150	500	150	150	50
Mathematical scientists	1,200	200	950	175	250	75
Physical scientists	4,300	350	2,700	325	1,600	200
Psychologists	3,600	275	950	175	2,600	225
Social scientists	2,550	275	1,100	225	1,450	200
Engineering occupations	450	150	350	125	100	50
S&E-related occupations	5,800	375	2,600	250	3,200	300
Non-S&E occupations	5,600	425	2,200	275	3,400	300
Private, for profit[c]	320,850	2,625	225,900	2,325	94,950	1,475
Science occupations	150,950	1,975	99,700	1,575	51,250	1,075
Biological, agricultural, and other life scientists	45,400	1,200	25,350	925	20,000	650
Computer and information scientists	44,050	925	36,500	925	7,550	400
Mathematical scientists	15,950	650	11,200	600	4,750	350
Physical scientists	23,150	825	18,150	725	5,000	350
Psychologists	17,200	750	5,800	475	11,450	575
Social scientists	5,200	350	2,750	275	2,450	250
Engineering occupations	68,150	1,400	57,950	1,375	10,200	450
S&E-related occupations	35,400	1,075	24,700	900	10,700	550
Non-S&E occupations	66,400	1,175	43,550	1,075	22,850	625
Private, nonprofit	60,200	1,300	32,050	1,025	28,150	825
Science occupations	32,250	950	17,350	700	14,950	625
Biological, agricultural, and other life scientists	12,600	550	7,100	525	5,500	375
Computer and information scientists	2,150	275	1,600	250	550	125
Mathematical scientists	2,350	275	1,650	225	700	125
Physical scientists	4,550	325	3,300	275	1,250	150

TABLE 43

U.S. residing employed doctoral scientists and engineers, by sector of employment, broad occupation, and sex: 2021

(Number and SE)

Employment sector and occupation	All employed		Male		Female	
	Number	SE	Number	SE	Number	SE
Psychologists	6,250	475	1,850	250	4,450	375
Social scientists	4,300	350	1,850	225	2,450	300
Engineering occupations	4,100	325	3,150	325	900	150
S&E-related occupations	11,350	575	5,900	450	5,500	350
Non-S&E occupations	12,500	625	5,700	400	6,800	450
Federal government	52,700	1,250	31,400	1,025	21,250	700
Science occupations	34,350	1,075	19,400	825	14,950	600
Biological, agricultural, and other life scientists	14,250	650	7,650	525	6,600	375
Computer and information scientists	1,300	175	1,100	175	250	75
Mathematical scientists	2,050	225	1,250	175	750	125
Physical scientists	7,450	425	5,400	375	2,000	200
Psychologists	5,250	425	1,950	275	3,300	325
Social scientists	4,100	350	2,050	275	2,050	250
Engineering occupations	7,200	500	5,650	450	1,550	225
S&E-related occupations	5,100	400	3,300	325	1,800	225
Non-S&E occupations	6,050	425	3,100	300	2,950	300
State or local government	19,650	750	11,500	650	8,200	450
Science occupations	10,850	525	6,300	450	4,550	325
Biological, agricultural, and other life scientists	3,300	275	1,850	225	1,450	175
Computer and information scientists	800	200	700	175	100	50
Mathematical scientists	500	150	350	150	100	50
Physical scientists	2,450	250	1,700	200	750	125
Psychologists	2,450	325	1,000	225	1,450	250
Social scientists	1,350	150	700	125	650	100
Engineering occupations	2,600	325	2,000	325	600	125
S&E-related occupations	2,750	300	1,550	250	1,200	150
Non-S&E occupations	3,450	325	1,600	225	1,850	225
Self-employed[d]	42,650	1,075	20,900	850	21,750	800
Science occupations	25,950	850	11,350	650	14,650	650
Biological, agricultural, and other life scientists	3,550	325	2,350	275	1,150	200
Computer and information scientists	1,350	225	1,150	225	200	75
Mathematical scientists	500	125	350	100	150	75
Physical scientists	1,600	225	1,300	225	300	75
Psychologists	17,150	700	5,150	450	12,000	625
Social scientists	1,800	225	1,000	200	800	125
Engineering occupations	2,350	275	2,150	250	200	75
S&E-related occupations	2,450	250	1,350	225	1,100	150
Non-S&E occupations	11,850	575	6,050	425	5,800	425
Other sector[e]	7,300	425	4,450	350	2,850	250
Science occupations	4,050	325	2,450	275	1,600	175
Biological, agricultural, and other life scientists	1,000	150	400	125	600	125
Computer and information scientists	550	150	450	150	100	50
Mathematical scientists	250	100	S	S	100	50
Physical scientists	650	125	450	100	200	50
Psychologists	350	125	150	75	200	100
Social scientists	1,200	175	850	175	350	75
Engineering occupations	1,300	200	1,000	175	300	100
S&E-related occupations	800	200	400	125	400	125
Non-S&E occupations	1,150	175	650	125	500	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 2021.

Source(s):
National Center for Science and Engineering Statistics, Survey of Doctorate Recipients, 2021.