

TABLE 43

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

(Number and SE)

Employment sector and occupation	All employed		Male		Female	
	Number	SE	Number	SE	Number	SE
All sectors	908,700	2,300	558,900	1,850	349,800	1,475
Science occupations	489,300	2,625	304,850	2,100	184,400	1,525
Biological, agricultural, and other life scientists	168,150	1,575	93,750	1,525	74,400	1,125
Computer and information scientists	76,900	1,250	62,100	1,125	14,800	650
Mathematical scientists	48,650	1,000	33,750	800	14,900	550
Physical scientists	88,350	1,325	64,800	1,250	23,550	625
Psychologists	36,450	850	13,450	600	23,000	725
Social scientists	70,750	1,175	36,950	825	33,800	825
Engineering occupations	127,550	1,600	105,450	1,550	22,100	600
S&E-related occupations	135,450	1,825	63,450	1,450	72,000	1,175
Non-S&E occupations	156,400	2,025	85,100	1,575	71,300	1,375
4-year educational institution ^a	341,350	2,475	199,700	2,000	141,650	1,600
Science occupations	226,500	2,275	133,900	1,775	92,650	1,475
Biological, agricultural, and other life scientists	76,550	1,275	43,000	1,050	33,550	875
Computer and information scientists	15,550	575	11,650	525	3,950	300
Mathematical scientists	21,100	775	14,900	575	6,200	375
Physical scientists	41,350	1,000	29,000	925	12,300	475
Psychologists	22,450	725	9,000	450	13,450	525
Social scientists	49,500	1,000	26,300	775	23,200	700
Engineering occupations	35,600	925	28,500	825	7,100	375
S&E-related occupations	36,100	950	15,450	700	20,600	575
Non-S&E occupations	43,150	1,050	21,800	775	21,300	675
Other educational institution ^b	26,750	875	11,850	625	14,900	600
Science occupations	12,550	600	6,450	500	6,100	375
Biological, agricultural, and other life scientists	3,200	325	1,200	225	2,000	225
Computer and information scientists	550	150	450	175	50	25
Mathematical scientists	1,000	150	700	150	250	75
Physical scientists	3,750	350	2,450	325	1,300	175
Psychologists	1,500	200	450	100	1,050	175
Social scientists	2,550	275	1,150	175	1,400	200
Engineering occupations	400	125	250	125	150	75
S&E-related occupations	7,150	450	2,950	325	4,200	300
Non-S&E occupations	6,650	375	2,200	200	4,450	325
Private, for profit ^c	354,100	2,775	246,450	2,300	107,700	1,300
Science occupations	163,300	2,125	113,850	1,725	49,450	1,050
Biological, agricultural, and other life scientists	54,400	1,250	31,150	975	23,250	750
Computer and information scientists	53,650	1,225	44,200	1,150	9,450	525
Mathematical scientists	20,150	725	14,150	625	6,000	400
Physical scientists	24,600	875	19,700	800	4,900	300
Psychologists	4,850	425	1,800	250	3,100	325
Social scientists	5,650	425	2,850	300	2,750	250
Engineering occupations	73,900	1,350	62,200	1,275	11,700	525
S&E-related occupations	46,600	1,200	26,550	975	20,050	775
Non-S&E occupations	70,300	1,400	43,850	1,275	26,450	800
Private, nonprofit	64,300	1,175	33,800	1,025	30,550	825
Science occupations	30,500	750	16,900	650	13,600	525
Biological, agricultural, and other life scientists	12,600	550	7,000	450	5,600	325
Computer and information scientists	2,700	275	1,900	250	800	150
Mathematical scientists	2,550	225	1,650	200	900	125
Physical scientists	5,350	400	3,950	350	1,350	175

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(Number and SE)

Employment sector and occupation	All employed		Male		Female	
	Number	SE	Number	SE	Number	SE
Psychologists	2,550	275	400	100	2,150	275
Social scientists	4,800	350	1,950	225	2,850	275
Engineering occupations	4,300	350	3,400	325	900	150
S&E-related occupations	16,100	700	7,400	550	8,700	475
Non-S&E occupations	13,450	600	6,100	450	7,350	400
Federal government	58,600	1,250	34,950	950	23,700	700
Science occupations	34,850	875	20,900	700	13,950	500
Biological, agricultural, and other life scientists	14,500	625	7,850	425	6,650	425
Computer and information scientists	1,850	200	1,650	200	200	50
Mathematical scientists	2,650	275	1,550	225	1,100	150
Physical scientists	9,600	500	6,900	475	2,700	225
Psychologists	2,100	250	700	150	1,400	200
Social scientists	4,150	300	2,250	250	1,900	175
Engineering occupations	7,850	525	6,600	500	1,300	150
S&E-related occupations	9,550	550	4,350	400	5,200	375
Non-S&E occupations	6,350	425	3,150	300	3,250	275
State or local government	18,700	725	10,200	550	8,550	400
Science occupations	9,000	475	4,950	375	4,100	250
Biological, agricultural, and other life scientists	2,950	225	1,150	150	1,800	200
Computer and information scientists	800	200	650	200	150	50
Mathematical scientists	500	125	300	100	250	75
Physical scientists	2,400	275	1,700	225	650	125
Psychologists	1,000	175	300	125	700	150
Social scientists	1,350	175	800	150	550	100
Engineering occupations	2,500	325	1,900	300	650	125
S&E-related occupations	3,950	325	1,800	250	2,150	225
Non-S&E occupations	3,200	325	1,550	225	1,650	250
Self-employed ^d	42,350	1,150	20,700	875	21,650	875
Science occupations	10,950	675	7,050	550	3,900	375
Biological, agricultural, and other life scientists	3,650	350	2,250	275	1,400	225
Computer and information scientists	1,750	275	1,600	275	150	50
Mathematical scientists	650	125	450	100	150	75
Physical scientists	1,300	175	1,000	150	250	75
Psychologists	1,950	300	750	200	1,200	225
Social scientists	1,650	200	950	175	700	125
Engineering occupations	2,800	350	2,550	350	250	75
S&E-related occupations	15,850	750	4,850	400	10,950	650
Non-S&E occupations	12,750	625	6,250	475	6,500	425
Other sector ^e	2,450	275	1,300	200	1,200	225
Science occupations	1,600	225	900	175	700	150
Biological, agricultural, and other life scientists	250	75	S	S	100	50
Computer and information scientists	D	D	D	D	D	D
Mathematical scientists	S	S	D	D	D	D
Physical scientists	100	50	D	D	D	D
Psychologists	D	D	D	D	D	D
Social scientists	1,200	200	700	150	450	150
Engineering occupations	150	75	S	S	D	D
S&E-related occupations	200	75	100	50	100	50
Non-S&E occupations	500	125	200	75	350	125

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.

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

^b Other educational institution includes 2-year colleges, community colleges, technical institutes, precollege institutions, and other educational institutions.

^c Private, for profit includes those self-employed in an incorporated business.

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

^e Other sector includes employers not broken out separately.

Note(s):

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