

TABLE 13

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

(Number and SE)

Employment sector and field of study	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	667,950	2,050	383,950	1,775	284,000	1,400
Biological, agricultural, and environmental life sciences	235,050	1,175	126,550	1,275	108,500	1,075
Computer and information sciences	36,350	550	29,250	550	7,150	375
Mathematics and statistics	38,500	600	28,750	575	9,700	400
Physical sciences, geosciences, atmospheric sciences, and ocean sciences	141,800	1,125	103,750	1,100	38,050	750
Psychology	112,100	900	38,400	750	73,700	950
Social sciences	104,100	875	57,200	875	46,900	675
Engineering	196,750	1,300	159,650	1,375	37,100	725
Health	44,000	600	15,300	475	28,700	525
4-year educational institution ^a	341,350	2,475	199,700	2,000	141,650	1,600
Science	272,100	2,250	156,000	1,775	116,100	1,475
Biological, agricultural, and environmental life sciences	94,000	1,250	51,000	1,050	43,000	900
Computer and information sciences	12,400	550	9,100	500	3,300	250
Mathematics and statistics	19,900	725	14,450	550	5,450	350
Physical sciences, geosciences, atmospheric sciences, and ocean sciences	46,050	950	32,650	950	13,400	450
Psychology	38,600	850	14,550	475	24,050	700
Social sciences	61,150	1,025	34,200	800	26,900	725
Engineering	47,200	1,100	36,750	925	10,400	525
Health	22,100	575	6,950	400	15,150	475
Other educational institution ^b	26,750	875	11,850	625	14,900	600
Science	24,200	800	10,450	550	13,700	575
Biological, agricultural, and environmental life sciences	6,650	425	2,500	300	4,150	325
Computer and information sciences	250	75	200	75	50	25
Mathematics and statistics	1,450	200	900	175	500	100
Physical sciences, geosciences, atmospheric sciences, and ocean sciences	4,850	350	2,900	300	2,000	200
Psychology	6,200	400	1,650	200	4,550	350
Social sciences	4,800	400	2,300	250	2,500	250
Engineering	1,700	275	1,200	250	500	100
Health	900	150	200	100	650	125
Private, for profit ^c	354,100	2,775	246,450	2,300	107,700	1,300
Science	222,800	2,250	141,750	1,825	81,050	1,275
Biological, agricultural, and environmental life sciences	80,500	1,300	44,750	1,125	35,800	825
Computer and information sciences	20,800	675	17,800	650	3,050	275
Mathematics and statistics	13,050	550	10,300	550	2,750	225

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Physical sciences, geosciences, atmospheric sciences, and ocean sciences	64,600	1,125	49,500	1,025	15,050	500
Psychology	27,500	875	10,150	475	17,350	700
Social sciences	16,300	675	9,200	550	7,100	425
Engineering	119,950	1,425	99,550	1,375	20,450	500
Health	11,350	450	5,200	325	6,200	375
Private, nonprofit	64,300	1,175	33,800	1,025	30,550	825
Science	51,550	1,025	26,050	875	25,500	725
Biological, agricultural, and environmental life sciences	20,900	800	10,950	625	9,950	450
Computer and information sciences	1,250	200	800	175	450	125
Mathematics and statistics	1,750	200	1,300	200	450	100
Physical sciences, geosciences, atmospheric sciences, and ocean sciences	8,550	475	6,000	400	2,600	225
Psychology	11,400	550	3,400	350	8,000	475
Social sciences	7,650	375	3,600	275	4,050	300
Engineering	8,200	475	6,400	450	1,800	200
Health	4,550	325	1,300	175	3,250	275
Federal government	58,600	1,250	34,950	950	23,700	700
Science	45,050	1,150	25,200	875	19,850	650
Biological, agricultural, and environmental life sciences	18,800	600	10,150	500	8,650	425
Computer and information sciences	750	150	600	125	150	50
Mathematics and statistics	1,200	175	900	175	300	100
Physical sciences, geosciences, atmospheric sciences, and ocean sciences	11,050	525	7,950	475	3,100	225
Psychology	6,900	475	2,250	275	4,700	350
Social sciences	6,350	400	3,350	275	3,000	250
Engineering	11,250	575	8,850	525	2,350	225
Health	2,350	225	900	175	1,450	200
State or local government	18,700	725	10,200	550	8,550	400
Science	14,400	600	7,350	450	7,000	350
Biological, agricultural, and environmental life sciences	5,450	325	2,550	275	2,950	225
Computer and information sciences	150	50	100	50	50	25
Mathematics and statistics	250	100	200	75	S	S
Physical sciences, geosciences, atmospheric sciences, and ocean sciences	2,700	275	2,000	225	750	100
Psychology	3,150	350	1,100	250	2,100	275
Social sciences	2,650	250	1,500	200	1,150	150
Engineering	3,200	325	2,450	325	750	125
Health	1,100	150	350	75	800	125

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	Number	SE	Number	SE	Number	SE
Self-employed ^d	42,350	1,150	20,700	875	21,650	875
Science	35,800	1,050	16,100	800	19,700	800
Biological, agricultural, and environmental life sciences	8,300	475	4,500	400	3,800	300
Computer and information sciences	750	175	650	175	100	50
Mathematics and statistics	850	175	700	150	150	75
Physical sciences, geosciences, atmospheric sciences, and ocean sciences	3,800	350	2,750	300	1,100	200
Psychology	18,150	725	5,300	425	12,900	650
Social sciences	3,900	325	2,250	275	1,650	175
Engineering	4,950	400	4,200	400	750	125
Health	1,600	225	400	75	1,200	200
Other sector ^e	2,450	275	1,300	200	1,200	225
Science	2,100	250	1,050	175	1,050	200
Biological, agricultural, and environmental life sciences	450	100	200	75	250	75
Computer and information sciences	D	D	D	D	D	D
Mathematics and statistics	D	D	D	D	D	D
Physical sciences, geosciences, atmospheric sciences, and ocean sciences	150	75	D	D	S	S
Psychology	150	75	D	D	S	S
Social sciences	1,300	200	800	150	550	150
Engineering	250	100	200	75	D	D
Health	100	50	D	D	50	50

D = suppressed to avoid disclosure of confidential information. S = suppressed for reliability; coefficient of variation exceeds publication standards.

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 the nearest 50. Standard errors are rounded up to the 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.