TABLE 13

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

(Number and SE)

Employment sector and field of study	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	647,300	2,000	378,200	2,000	269,100	1,300
Biological, agricultural, and environmental life sciences	226,850	1,275	125,000	1,225	101,850	900
Computer and information sciences	33,600	425	27,350	425	6,250	275
Mathematics and statistics	36,600	575	28,100	575	8,500	350
Physical sciences, geosciences, atmospheric sciences, and ocean sciences	137,050	1,025	101,250	975	35,750	725
Psychology	113,500	825	41,050	900	72,450	825
Social sciences	99,700	1,000	55,400	850	44,300	650
Engineering	183,100	1,325	149,800	1,425	33,300	675
Health	41,650	525	15,600	450	26,100	500
4-year educational institution[a]	340,950	2,450	204,700	2,175	136,250	1,375
Science	272,450	2,175	160,900	1,875	111,550	1,300
Biological, agricultural, and environmental life sciences	95,500	1,375	53,800	1,150	41,700	875
Computer and information sciences	11,850	450	8,950	425	2,900	250
Mathematics and statistics	20,250	625	15,200	550	5,050	300
Physical sciences, geosciences, atmospheric sciences, and ocean sciences	45,900	1,025	33,250	825	12,600	525
Psychology	38,700	800	15,250	600	23,450	650
Social sciences	60,250	950	34,450	825	25,800	650
Engineering	46,850	1,150	36,500	1,025	10,400	475
Health	21,600	600	7,300	375	14,300	475
Other educational institution[b]	27,800	825	12,600	575	15,150	600
Science	25,000	800	11,000	550	14,000	575
Biological, agricultural, and environmental life sciences	7,300	475	2,650	300	4,650	375
Computer and information sciences	350	100	250	100	100	50
Mathematics and statistics	1,250	200	900	175	350	75
Physical sciences, geosciences, atmospheric sciences, and ocean sciences	5,450	375	3,350	300	2,100	225
Psychology	6,350	425	1,900	250	4,450	325
Social sciences	4,350	375	2,000	300	2,350	250
Engineering	1,850	250	1,400	250	450	100
Health	950	175	200	75	700	150
Private, for profit[c]	320,850	2,625	225,900	2,325	94,950	1,475
Science	203,450	2,075	130,250	1,750	73,200	1,325
Biological, agricultural, and environmental life sciences	73,150	1,175	40,900	1,075	32,250	800
Computer and information sciences	18,350	475	15,700	475	2,650	225
Mathematics and statistics	11,250	525	8,900	475	2,350	250
Physical sciences, geosciences, atmospheric sciences, and ocean sciences	60,000	1,150	46,150	1,050	13,850	575
Psychology	26,750	800	10,200	525	16,550	675
Social sciences	13,850	650	8,300	500	5,550	400
Engineering	107,350	1,400	90,500	1,375	16,850	525
Health	10,050	400	5,150	350	4,900	300
Private, nonprofit	60,200	1,300	32,050	1,025	28,150	825
Science	48,200	1,275	24,900	925	23,300	800
Biological, agricultural, and environmental life sciences	20,000	725	10,650	600	9,350	475
Computer and information sciences	1,100	200	900	175	200	75
Mathematics and statistics	1,400	225	1,100	225	300	75
Physical sciences, geosciences, atmospheric sciences, and ocean sciences	7,750	400	5,450	400	2,300	175
Psychology	10,650	575	3,550	325	7,100	425
Social sciences	7,300	475	3,250	325	4,050	350
Engineering	7,750	475	6,000	450	1,800	200
Health	4,250	300	1,150	175	3,050	250

TABLE 13

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

(Number and SE)

Employment sector and field of study	All employed		Male		Female	
	Number	SE	Number	SE	Number	SE
Federal government	52,700	1,250	31,400	1,025	21,250	700
Science	40,850	1,125	23,150	875	17,750	675
Biological, agricultural, and environmental life sciences	16,750	725	9,300	625	7,450	350
Computer and information sciences	700	125	500	125	200	50
Mathematics and statistics	1,100	175	850	150	250	75
Physical sciences, geosciences, atmospheric sciences, and ocean sciences	9,700	475	7,000	425	2,700	250
Psychology	6,700	475	2,450	275	4,250	375
Social sciences	5,950	450	3,000	325	2,950	300
Engineering	9,550	550	7,450	500	2,100	225
Health	2,250	250	850	150	1,400	200
State or local government	19,650	750	11,500	650	8,200	450
Science	15,550	675	8,650	600	6,900	450
Biological, agricultural, and environmental life sciences	5,250	375	2,950	325	2,350	225
Computer and information sciences	350	150	250	125	100	50
Mathematics and statistics	300	100	250	100	S	S
Physical sciences, geosciences, atmospheric sciences, and ocean sciences	3,100	275	2,250	250	850	100
Psychology	3,900	400	1,400	250	2,500	300
Social sciences	2,600	225	1,550	225	1,100	150
Engineering	3,250	300	2,450	275	800	150
Health	850	125	350	100	450	75
Self-employed[d]	42,650	1,075	20,900	850	21,750	800
Science	36,800	1,025	16,550	775	20,250	775
Biological, agricultural, and environmental life sciences	7,550	450	4,200	350	3,400	300
Computer and information sciences	700	175	550	150	150	75
Mathematics and statistics	800	150	750	150	S	S
Physical sciences, geosciences, atmospheric sciences, and ocean sciences	4,100	375	3,200	350	900	175
Psychology	19,750	750	6,100	450	13,650	675
Social sciences	3,900	325	1,800	250	2,100	225
Engineering	4,500	400	3,900	375	550	100
Health	1,350	175	400	100	950	150
Other sector[e]	7,300	425	4,450	350	2,850	250
Science	5,000	375	2,800	300	2,200	225
Biological, agricultural, and environmental life sciences	1,300	175	600	125	750	150
Computer and information sciences	S	S	S	S	D	D
Mathematics and statistics	200	75	150	75	50	50
Physical sciences, geosciences, atmospheric sciences, and ocean sciences	1,050	175	600	150	450	100
Psychology	700	150	250	75	450	125
Social sciences	1,500	200	1,050	175	450	100
Engineering	1,950	275	1,600	250	400	125
Health	350	100	100	50	250	75

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

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 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 2021.

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