

TABLE 49

## U.S. residing employed doctoral scientists and engineers working in science occupations, by field of doctorate and broad occupation: 2023

(Number and SE)

Field of study	All employed		Biological, agricultural, and other life scientists						Computer and information scientists						Mathematical scientists						Physical scientists						Psychologists						Social scientists							
			Total		Post-secondary teachers		Other		Total		Post-secondary teachers		Other		Total		Post-secondary teachers		Other		Total		Post-secondary teachers		Other		Total		Post-secondary teachers		Other		Total		Post-secondary teachers		Other			
	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE				
All fields	489,300	2,625	168,150	1,575	38,100	925	130,050	1,550	76,900	1,250	10,700	525	66,200	1,300	48,650	1,000	18,550	675	30,100	800	88,350	1,325	32,350	950	56,000	1,100	36,450	850	18,900	675	17,550	725	70,750	1,175	43,800	925	26,950	750		
Science	423,050	2,200	150,250	1,400	36,850	900	113,450	1,425	51,800	900	8,850	500	42,950	950	41,250	925	18,000	675	23,200	675	76,450	1,175	30,650	950	45,800	1,050	36,150	850	18,750	675	17,400	725	67,150	1,125	42,450	875	24,700	725		
Biological, agricultural, and environmental life sciences	153,650	1,225	132,200	1,225	34,450	900	97,750	1,275	5,200	375	200	50	5,050	375	6,250	325	650	100	5,550	300	6,050	350	3,150	325	2,900	250	1,250	225	550	150	700	150	2,750	275	900	150	1,800	225		
Agricultural and food sciences	12,000	375	10,550	400	3,150	300	7,450	350	200	75	D	D	200	75	350	75	S	S	300	75	650	100	200	50	450	75	D	D	D	D	D	D	200	50	100	50	100	50		
Biochemistry and biophysics	19,500	625	16,350	600	3,400	375	12,950	575	750	175	D	D	750	175	200	75	D	D	150	75	1,900	250	1,450	225	450	125	D	D	D	D	D	D	250	125	D	D	200	100		
Cell, cellular biology, and molecular biology	19,650	625	18,550	600	4,850	375	13,700	575	500	150	D	D	500	150	200	100	D	D	200	100	250	125	250	100	D	D	D	D	D	D	D	D	S	S	D	D	S	S		
Microbiological sciences and immunology	16,900	500	16,350	525	3,650	300	12,700	475	150	75	D	D	150	75	150	75	D	D	150	75	50	50	D	D	D	D	D	D	D	D	D	D	D	D	200	75	D	D	150	75
Natural resources and conservation	6,400	200	3,850	200	1,100	125	2,750	175	250	75	D	D	250	75	250	50	S	S	250	50	1,300	150	500	100	850	150	D	D	D	D	D	D	D	750	100	350	75	350	75	
Zoology	5,050	225	4,650	225	2,050	175	2,650	175	150	75	D	D	150	75	D	D	D	D	D	D	50	50	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	
Other biological sciences	74,150	900	61,900	925	16,250	700	45,600	925	3,200	300	150	50	3,050	300	5,000	275	550	75	4,400	275	1,800	250	700	175	1,050	175	1,150	200	550	150	650	150	1,100	175	250	100	850	125		
Computer and information sciences	29,600	625	300	100	D	D	300	100	27,850	625	7,800	475	20,050	725	1,000	175	100	50	900	175	S	S	D	D	S	S	D	D	D	D	D	D	250	50	150	50	100	50		
Mathematics and statistics	31,050	625	450	125	D	D	400	125	4,900	350	500	125	4,400	325	25,350	675	16,300	675	9,050	425	150	50	50	50	D	D	D	D	D	D	D	D	200	75	D	D	200	75		
Physical sciences, geosciences, atmospheric sciences, and ocean sciences	97,300	1,325	13,300	575	1,300	175	11,950	525	10,150	525	150	75	10,000	525	4,400	400	350	150	4,050	350	68,900	1,125	26,800	900	42,100	1,025	D	D	D	D	D	D	550	100	250	75	350	100		
Astronomy and astrophysics	5,100	175	150	50	100	50	D	D	850	100	D	D	800	100	450	100	D	D	400	100	3,650	200	1,500	150	2,150	175	D	D	D	D	D	D	D	D	D	D	D	D		
Chemistry, except biochemistry	46,200	950	9,300	500	450	125	8,850	475	2,900	300	S	S	2,850	300	750	200	D	D	750	200	33,150	775	13,450	600	19,700	725	D	D	D	D	D	D	100	50	D	D	100	50		
Geosciences, atmospheric sciences, and ocean sciences	18,200	350	2,050	125	600	75	1,400	100	900	125	D	D	850	125	600	100	50	25	550	100	14,400	325	4,800	250	9,550	325	D	D	D	D	D	D	300	75	150	50	100	50		
Physics	27,800	775	1,800	200	150	75	1,650	200	5,500	450	S	S	5,450	450	2,600	350	250	125	2,350	325	17,700	700	7,050	525	10,650	550	D	D	D	D	D	D	150	75	D	D	S	S		
Psychology	44,650	900	2,200	225	300	75	1,950	200	1,550	225	D	D	1,550	225	1,250	150	200	75	1,100	125	D	D	D	D	D	D	34,500	800	18,100	650	16,400	650	5,150	325	2,350	250	2,800	250		
Social sciences	66,750	1,000	1,850	200	750	125	1,100	175	2,100	250	S	S	1,950	200	2,950	250	400	100	2,600	250	1,200	150	600	100	550	125	400	100	100	50	300	75	58,250	975	38,800	875	19,450	650		
Economics	20,300	550	200	75	100	50	100	50	650	175	D	D	600	150	1,050	200	D	D	1,050	200	D	D	D	D	D	D	D	D	D	D	D	D	18,350	575	9,850	475	8,500	450		
Political science and government	14,200	525	200	75	S	S	150	75	200	75	D	D	150	75	400	125	D	D	350	125	D	D	D	D	D	D	D	D	D	D	D	13,300	500	9,700	500	3,600	325			
Sociology, demography, and population studies	11,600	350	200	100	D	D	200	100	150	50	D	D	150	50	500	125	D	D	450	125	D	D	D	D	D	D	100	50	D	D	D	D	10,700	375	7,650	350	3,050	250		
Other social sciences	20,700	500	1,200	175	550	125	600	125	1,150	175	D	D	1,050	150	1,000	125	300	75	700	125	1,150	150	600	100	500	125	250	75	50	25	250	75	15,950	450	11,600	450	4,350	250		
Engineering	51,600	1,100	8,750	500	350	75	8,450	500	24,600	875	1,800	250	22,800	800	6,850	425	500	100	6,300	400	10,500	600	1,250	200	9,250	575	D	D	D	D	D	D	850	200	300	150	550	150		
Aerospace, aeronautical, and astronautical engineering	1,450	150	D	D	D	D	D	D	700	100	D	D	700	100	250	75	D	D	250	75	500	100	D	D	400	100	D	D	D	D	D	D	D	D	D	D	D	D		
Chemical engineering	5,750	400	2,250	300	D	D	2,200	300	1,050	225	D	D	1,050	225	350	125	D	D	350	125	1,950	275	100	50	1,800	275	D	D	D	D	D	D	S	S	D	D	S	S		
Civil engineering	3,900	325	450	125	S	S	450	125	1,400	250	D	D	1,350	275	750	150	S	S	700	125	1,150	200	250	75	900	175	D	D	D	D	D	150	50	S	S	S	S			
Electrical and computer engineering	16,400	625	450	125	D	D	450	125	13,400	600	1,350	200	12,100	525	1,450	250	S	S	1,350	250	1,100	225	100	75	950	200	D	D	D	D	D	D	D	D	D	D	D	D		
Mechanical engineering	5,700	450	400	150	D	D	400	150	3,400	350	S	S	3,200	325	600	175	D	D	550	150	1,150	225	S	S	900	200	D	D	D	D	D	D	D	D	D	D	D	D		
Metallurgical and materials engineering	4,200	400	250	75	D	D	250	75	900	200	D	D	900	200	250	125	D	D	250	125	2,800	300	250	100	2,550	275	D	D	D	D	D	D	D	D	D	D	D	D		
Other engineering	14,150	525	4,900	350	300	75	4,650	350	3,800	275	250	100	3,500	275	3,200	275	350	100	2,850	275	1,900	200	150	50	1,750	200	D	D	D	D	D	350	150	S	S	150	75			
Health	14,650	475	9,100	375	950	150	8,150	375	500	125	D	D	500	125	600	150	D	D	550	150	1,400	200	450	125	950	175	250	75	100	50	150	75	2,750	225	1,050	175	1,700	175		

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

SE = standard error.

**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.