TABLE 49

U.S. residing employed doctoral scientists and engineers working in science occupations, by field of doctorate and broad occupation: 2021

(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		Other		Total		Post-secondary		Other		Total		Post-secondary		Other		Total		Post-secondary		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	Number	SE
All fields	502,250	2,725	160,850	1,700	39,650	1,000	121,200	1,550	65,450	1,025	10,350	550	55,100	1,125	43,950	875	19,050	625	24,900	750	85,100	1,375	34,000	975	51,100	1,000	78,400	1,025	20,150	725	58,300	1,050	68,450	1,150	44,400	1,000	24,050	700
Science	450,650	2,550	146,700	1,675	38,400	1,000	108,350	1,500	45,550	825	8,600	450	36,900	925	38,600	825	18,400	600	20,150	700	76,200	1,225	32,400	950	43,800	875	78,100	1,025	20,100	725	58,050	1,050	65,500	1,125	43,450	1,000	22,000	650
Biological, agricultural, and environmental life sciences	148,750	1,625	130,700	1,575	35,950	1,000	94,750	1,475	4,100	325	150	50	3,950	325	5,450	350	750	100	4,750	350	5,900	400	3,700	350	2,200	200	900	150	550	150	350	100	1,700	200	550	100	1,150	175
Agricultural and food sciences	12,200	375	10,900	375	3,350	275	7,550	375	250	75	D	D	200	75	300	75	S	S	300	75	650	75	250	50	400	75	D	D	D	D	D	D	150	50	100	50	50	25
Biochemistry and biophysics	20,050	625	17,000	625	3,400	325	13,550	575	700	150	D	D	700	150	50	25	D	D	50	25	2,150	275	1,550	225	600	150	D	D	D	D	D	D	S	S	D	D	D	D
Cell, cellular biology, and molecular biology	20,250	650	19,300	625	5,500	400	13,800	600	350	125	D	D	350	125	250	125	D	D	250	125	300	125	250	125	D	D	D	D	D	D	D	D	D	D	D	D	D	D
Microbiological sciences and immunology	15,900	525	15,650	525	3,350	250	12,300	550	100	50	D	D	100	50	D	D	D	D	D	D	50	50	S	S	D	D	D	D	D	D	D	D	D	D	D	D	D	D
Natural resources and conservation	6,300	250	3,950	200	1,200	150	2,800	150	150	50	D	D	150	50	200	50	D	D	200	50	1,300	150	700	125	600	100	D	D	D	D	D	D	650	100	350	75	350	75
Zoology	5,250	275	5,000	275	2,300	200	2,700	225	100	50	D	D	100	50	D	D	D	D	D	D	S	S	50	50	D	D	D	D	D	D	D	D	D	D	D	D	D	D
Other biological sciences	68,750	1,025	58,900	975	16,850	650	42,100	950	2,450	250	100	50	2,350	250	4,600	325	700	100	3,900	325	1,350	225	850	175	500	150	850	150	500	150	300	100	650	125	150	75	500	100
Computer and information sciences	27,100	550	350	150	D	D	350	150	25,850	525	7,550	400	18,350	575	650	150	100	50	550	150	S	S	D	D	D	D	D	D	D	D	D	D	150	50	100	50	50	50
Mathematics and statistics	29,550	650	400	100	D	D	350	75	3,950	375	450	100	3,550	350	24,850	650	16,450	575	8,400	450	250	75	D	D	200	75	D	D	D	D	D	D	150	75	D	D	100	50
Physical sciences, geosciences, atmospheric sciences, and ocean sciences	94,300	1,175	12,200	525	1,400	175	10,800	525	8,950	550	250	125	8,700	550	3,500	375	400	125	3,100	375	69,100	1,100	28,150	825	40,950	850	D	D	D	D	D	D	500	125	200	75	300	100
Astronomy and astrophysics	5,100	200	250	75	200	75	D	D	600	125	D	D	600	125	400	100	D	D	350	100	3,800	225	1,800	200	2,000	175	D	D	D	D	D	D	50	25	D	D	S	S
Chemistry, except biochemistry	45,300	950	8,450	500	550	150	7,850	475	2,400	250	S	S	2,350	250	550	150	D	D	550	150	33,800	875	14,400	625	19,400	675	D	D	D	D	D	D	50	25	D	D	50	25
Geosciences, atmospheric sciences, and ocean sciences	17,650	375	1,850	100	550	75	1,300	100	900	125	S	S	900	125	350	75	50	25	300	75	14,250	350	4,650	275	9,600	300	D	D	D	D	D	D	300	75	150	50	100	50
Physics	26,200	800	1,650	225	100	50	1,600	225	5,000	450	S	S	4,850	450	2,250	325	300	125	1,950	300	17,200	650	7,300	500	9,950	525	D	D	D	D	D	D	S	S	D	D	D	D
Psychology	85,400	1,000	1,650	150	250	75	1,400	150	1,250	200	150	50	1,100	175	1,200	200	150	75	1,000	175	S	S	D	D	D	D	76,550	975	19,300	700	57,250	1,025	4,700	300	1,900	200	2,800	225
Social sciences	65,500	1,050	1,450	225	700	175	700	125	1,400	175	100	50	1,300	175	2,900	275	550	150	2,350	250	900	125	500	100	400	100	600	125	200	75	400	100	58,300	1,025	40,650	950	17,600	600
Economics	20,050	625	300	100	250	75	S	S	300	125	D	D	300	125	1,050	175	D	D	1,000	175	D	D	D	D	D	D	D	D	D	D	D	D	18,400	600	10,450	575	7,950	400
Political science and government	13,800	525	50	50	D	D	50	25	250	75	D	D	200	75	350	125	D	D	300	125	D	D	D	D	D	D	S	S	D	D	D	D	13,050	525	10,050	525	2,950	250
Sociology, demography, and population studies	11,350	375	150	75	D	D	150	75	100	50	D	D	100	50	300	75	D	D	250	75	D	D	D	D	D	D	D	D	D	D	D	D	10,750	375	8,300	400	2,500	250
Other social sciences	20,300	525	900	175	450	150	450	100	800	125	S	S	750	125	1,250	200	450	125	800	175	850	125	500	100	350	100	450	125	100	50	350	100	16,100	525	11,850	450	4,250	275
Engineering	39,100	1,000	6,000	400	500	100	5,550	400	19,650	675	1,750	250	17,900	700	5,050	375	600	175	4,400	325	7,650	450	1,150	250	6,500	425	D	D	D	D	D	D	600	125	150	75	450	125

TABLE 49

U.S. residing employed doctoral scientists and engineers working in science occupations, by field of doctorate and broad occupation: 2021

(Number and SE)

			Biological, agricultural, and other life scientists						Computer and information scientists						Mathematical scientists						Physical scientists						Psychologists						Social scientists					
	All employed		Total		Post-secondary teachers		Other		Total		Post-secondary teachers		Other		Total		Post-secondary		Other		Total		Post-secondary		Other		Total		Post-secondary		Other		Total		Post-secondary		Other	
Field of study	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	Number	SE
Aerospace, aeronautical, and astronautical engineering	1,300	225	D	D	D	D	D	D	650	175	D	D	600	175	250	100	D	D	250	100	400	150	D	D	350	150	D	D	D	D	D	D	D	D	D	D	D	D
Chemical engineering	4,150	350	1,600	250	D	D	1,550	250	950	225	D	D	950	225	300	100	D	D	300	100	1,200	175	S	S	1,150	150	D	D	D	D	D	D	D	D	D	D	D	D
Civil engineering	2,500	275	200	50	D	D	150	50	850	175	D	D	800	175	500	125	S	S	450	125	750	150	150	75	600	125	D	D	D	D	D	D	200	75	S	S	100	50
Electrical and computer engineering	13,700	550	400	125	D	D	350	125	11,450	475	1,350	225	10,100	500	850	225	S	S	650	175	950	175	250	125	700	175	D	D	D	D	D	D	D	D	D	D	D	D
Mechanical engineering	3,400	325	200	100	D	D	200	100	2,200	275	100	50	2,100	250	500	125	D	D	500	125	400	100	D	D	300	100	D	D	D	D	D	D	D	D	D	D	D	D
Metallurgical and materials engineering	3,300	300	150	50	D	D	150	50	400	125	D	D	400	125	S	S	D	D	S	S	2,650	300	450	175	2,250	275	D	D	D	D	D	D	D	D	D	D	D	D
Other engineering	10,700	475	3,450	300	400	100	3,050	275	3,150	300	250	100	2,900	250	2,550	225	300	100	2,250	200	1,300	150	150	50	1,150	125	D	D	D	D	D	D	250	100	D	D	250	100
Health	12,500	475	8,150	375	750	150	7,350	375	250	50	D	D	250	50	350	100	D	D	300	100	1,250	150	450	100	800	150	200	50	50	25	150	50	2,400	225	750	175	1,600	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 2021.

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