TABLE 44

U.S. residing employed doctoral scientists and engineers, by sector of employment, broad occupation, ethnicity, and race: 2021

(Number and SE)

Employment sector and occupation	All employed		Hispanic or Latino[a]		Not Hispanic or Latino[b]									
					American Indian or Alaska Native		Asian		Black or African American		White		Other race[c]	
	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE
All sectors	872,100	2,425	40,100	475	1,400	125	219,800	1,600	31,800	475	562,950	2,075	16,000	575
Science occupations	502,250	2,725	24,250	500	700	100	118,200	1,525	16,650	475	333,150	2,375	9,250	500
Biological, agricultural, and other life scientists	160,850	1,700	8,050	325	150	50	41,000	1,050	4,600	300	103,800	1,450	3,250	250
Computer and information scientists	65,450	1,025	1,800	150	D	D	29,350	850	1,050	125	32,000	900	1,200	225
Mathematical scientists	43,950	875	2,050	175	*	*	15,200	625	1,200	125	24,800	700	650	125
Physical scientists	85,100	1,375	3,400	175	50	50	19,300	850	2,200	175	58,700	1,150	1,400	200
Psychologists	78,400	1,025	4,400	225	200	50	4,150	350	3,600	300	64,500	925	1,550	200
Social scientists	68,450	1,150	4,600	300	200	50	9,150	450	3,950	225	49,400	1,050	1,150	150
Engineering occupations	122,800	1,575	4,800	225	100	50	50,050	1,150	3,100	225	62,900	1,200	1,800	250
S&E-related occupations	100,450	1,525	4,050	250	200	75	24,400	950	4,750	325	65,350	1,125	1,700	175
Non-S&E occupations	146,600	1,825	7,000	325	400	100	27,150	950	7,300	300	101,550	1,525	3,200	325
4-year educational institution[d]	340,950	2,450	17,300	525	600	100	69,800	1,375	13,650	425	233,700	2,075	5,850	325
Science occupations	227,900	2,150	11,650	450	350	75	45,500	1,175	8,250	350	158,300	1,800	3,900	300
Biological, agricultural, and other life scientists	77,100	1,275	3,950	250	100	50	18,100	800	2,000	200	51,600	1,125	1,400	175
Computer and information scientists	14,600	625	500	100	D	D	5,450	400	400	75	8,000	475	250	125
Mathematical scientists	21,200	625	1,000	125	D	D	5,650	425	650	100	13,700	500	200	50
Physical scientists	41,000	1,000	1,650	150	S	S	8,500	575	1,100	150	29,050	800	650	125
Psychologists	26,100	775	1,600	175	50	25	1,950	250	1,350	175	20,550	700	600	125
Social scientists	47,950	950	2,950	250	150	50	5,950	375	2,750	200	35,400	900	750	125
Engineering occupations	36,600	1,000	1,800	150	50	25	12,400	650	1,050	125	20,650	775	650	175
S&E-related occupations	36,750	1,025	1,450	150	100	50	7,200	575	2,000	200	25,450	825	600	125
Non-S&E occupations	39,650	875	2,400	200	150	75	4,700	375	2,350	200	29,300	750	750	150
Other educational institution[e]	27,800	825	1,950	150	100	50	3,350	325	2,050	175	19,900	675	450	75
Science occupations	15,900	625	1,150	125	S	S	2,200	300	1,000	125	11,250	525	250	75
Biological, agricultural, and other life scientists	3,650	325	200	50	D	D	500	150	150	50	2,700	275	100	50
Computer and information scientists	600	150	D	D	D	D	200	125	*	*	400	100	D	D
Mathematical scientists	1,200	200	100	50	D	D	150	75	50	25	900	175	S	S
Physical scientists	4,300	350	300	75	D	D	1,050	225	250	75	2,650	300	D	D
Psychologists	3,600	275	300	75	D	D	100	50	350	100	2,750	250	50	25
Social scientists	2,550	275	200	50	D	D	200	75	200	75	1,850	250	50	25
Engineering occupations	450	150	*	*	D	D	200	125	S	S	200	75	D	D
S&E-related occupations	5,800	375	350	75	D	D	400	125	450	75	4,500	325	50	25
Non-S&E occupations	5,600	425	400	75	50	25	500	100	500	100	4,000	375	150	50
Private, for profit[f]	320,850	2,625	12,400	425	300	75	114,300	1,375	7,700	350	180,150	1,975	5,950	425
Science occupations	150,950	1,975	6,350	325	150	50	52,400	1,150	3,350	225	85,600	1,475	3,050	350
Biological, agricultural, and other life scientists	45,400	1,200	2,350	225	D	D	14,900	725	1,150	125	25,950	875	1,000	175
Computer and information scientists	44,050	925	1,150	125	D	D	21,750	750	500	100	19,850	725	850	200
Mathematical scientists	15,950	650	700	125	D	D	7,750	475	300	50	6,800	450	350	100
Physical scientists	23,150	825	800	100	50	25	6,400	550	450	100	15,100	575	350	125

TABLE 44

U.S. residing employed doctoral scientists and engineers, by sector of employment, broad occupation, ethnicity, and race: 2021

(Number and SE)

Employment sector and occupation	All employed		Hispanic or Latino[a]		Not Hispanic or Latino[b]									
					American Indian or Alaska Native		Asian		Black or African American		White		Other race[c]	
	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE
Psychologists	17,200	750	950	150	D	D	650	150	700	150	14,500	725	400	125
Social scientists	5,200	350	400	100	D	D	1,000	175	250	75	3,450	275	100	50
Engineering occupations	68,150	1,400	2,150	150	*	*	32,650	1,000	1,400	125	31,200	1,000	750	125
S&E-related occupations	35,400	1,075	1,250	125	50	50	11,900	725	1,050	175	20,500	725	650	125
Non-S&E occupations	66,400	1,175	2,650	200	100	50	17,350	775	1,900	150	42,850	950	1,500	225
Private, nonprofit	60,200	1,300	2,950	250	150	50	12,150	625	2,750	275	40,800	1,025	1,400	175
Science occupations	32,250	950	1,550	200	S	S	7,000	475	950	125	22,000	750	700	150
Biological, agricultural, and other life scientists	12,600	550	500	75	D	D	3,450	350	250	50	8,200	475	200	50
Computer and information scientists	2,150	275	50	25	D	D	700	175	*	*	1,350	200	S	S
Mathematical scientists	2,350	275	150	50	D	D	750	175	100	50	1,300	200	D	D
Physical scientists	4,550	325	150	50	D	D	1,000	200	50	25	3,200	250	S	S
Psychologists	6,250	475	350	100	D	D	450	125	300	100	4,950	425	150	75
Social scientists	4,300	350	350	125	D	D	600	175	250	75	2,950	250	S	S
Engineering occupations	4,100	325	100	50	D	D	1,250	225	150	75	2,400	225	150	75
S&E-related occupations	11,350	575	650	100	D	D	2,700	325	600	150	7,250	475	150	50
Non-S&E occupations	12,500	625	700	125	50	25	1,200	250	1,050	175	9,100	475	350	75
Federal government	52,700	1,250	2,800	200	100	50	8,700	575	2,450	200	37,550	1,025	1,050	150
Science occupations	34,350	1,075	1,850	175	50	25	5,700	450	1,450	150	24,500	875	750	100
Biological, agricultural, and other life scientists	14,250	650	750	100	D	D	2,700	300	750	100	9,700	550	350	75
Computer and information scientists	1,300	175	100	25	D	D	250	100	50	25	900	150	*	*
Mathematical scientists	2,050	225	50	50	D	D	500	125	100	25	1,350	150	50	25
Physical scientists	7,450	425	350	75	D	D	1,400	250	200	50	5,300	350	150	50
Psychologists	5,250	425	300	100	D	D	200	75	200	75	4,350	375	150	75
Social scientists	4,100	350	250	100	D	D	700	150	150	75	2,900	325	50	50
Engineering occupations	7,200	500	400	75	D	D	1,250	225	200	75	5,150	425	150	75
S&E-related occupations	5,100	400	250	75	D	D	900	175	200	50	3,650	325	100	50
Non-S&E occupations	6,050	425	300	75	D	D	850	200	550	100	4,300	375	*	*
State or local government	19,650	750	750	100	S	S	4,650	400	1,350	175	12,550	650	300	75
Science occupations	10,850	525	350	75	D	D	2,650	300	550	125	7,050	475	150	50
Biological, agricultural, and other life scientists	3,300	275	100	25	D	D	850	200	100	50	2,150	225	100	50
Computer and information scientists	800	200	D	D	D	D	300	125	S	S	450	150	D	D
Mathematical scientists	500	150	D	D	D	D	150	75	D	D	300	125	D	D
Physical scientists	2,450	250	100	50	D	D	600	125	50	25	1,650	200	50	25
Psychologists	2,450	325	100	50	D	D	450	175	250	100	1,700	250	D	D
Social scientists	1,350	150	100	50	D	D	250	100	100	50	850	125	50	25
Engineering occupations	2,600	325	150	50	D	D	1,100	225	150	75	1,150	250	50	25
S&E-related occupations	2,750	300	100	50	D	D	650	150	250	100	1,750	225	50	25
Non-S&E occupations	3,450	325	150	50	D	D	300	75	400	100	2,600	300	50	25
Self-employed[g]	42,650	1,075	1,500	150	50	25	4,150	375	1,350	200	34,750	1,050	750	150
Science occupations	25,950	850	1,000	150	D	D	1,400	225	800	175	22,400	800	350	75
Biological, agricultural, and other life scientists	3,550	325	100	50	D	D	250	75	S	S	2,950	300	100	50

TABLE 44

U.S. residing employed doctoral scientists and engineers, by sector of employment, broad occupation, ethnicity, and race: 2021

(Number and SE)

Employment sector and occupation	All employed		Hispanic or Latino[a]		Not Hispanic or Latino[b]									
					American Indian or Alaska Native		Asian		Black or African American		White		Other race[c]	
	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE
Computer and information scientists	1,350	225	*	*	D	D	250	125	D	D	1,000	175	D	D
Mathematical scientists	500	125	*	*	D	D	S	S	D	D	400	100	D	D
Physical scientists	1,600	225	50	25	D	D	200	75	D	D	1,300	225	D	D
Psychologists	17,150	700	750	125	D	D	400	125	500	150	15,350	675	150	75
Social scientists	1,800	225	50	25	D	D	200	100	150	75	1,400	200	S	S
Engineering occupations	2,350	275	100	50	D	D	500	150	D	D	1,700	275	50	50
S&E-related occupations	2,450	250	50	50	D	D	400	150	100	75	1,800	175	D	D
Non-S&E occupations	11,850	575	350	75	S	S	1,900	250	400	75	8,900	525	250	125
Other sector[h]	7,300	425	500	100	D	D	2,650	300	450	100	3,500	325	250	125
Science occupations	4,050	325	350	75	D	D	1,350	225	250	75	2,000	225	100	50
Biological, agricultural, and other life scientists	1,000	150	50	25	D	D	300	125	100	50	550	125	D	D
Computer and information scientists	550	150	D	D	D	D	400	150	D	D	100	50	D	D
Mathematical scientists	250	100	D	D	D	D	150	75	50	25	50	25	D	D
Physical scientists	650	125	D	D	D	D	200	75	D	D	450	100	D	D
Psychologists	350	125	50	25	D	D	D	D	D	D	300	100	D	D
Social scientists	1,200	175	250	75	D	D	350	125	D	D	600	125	D	D
Engineering occupations	1,300	200	50	25	D	D	750	175	D	D	500	125	D	D
S&E-related occupations	800	200	D	D	D	D	250	125	50	25	450	100	D	D
Non-S&E occupations	1,150	175	50	25	D	D	300	100	150	50	500	125	D	D

* = suppressed when population estimate < 25. 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] Hispanic or Latino may be of any race.

[b] American Indian or Alaska Native, Asian, Black or African American, and White are single race.

[c] Other race includes Native Hawaiian or Other Pacific Islander and persons reporting more than one race who are not of Hispanic or Latino ethnicity.

[d] Includes 4-year colleges or universities, medical schools (including university-affiliated hospitals or medical centers), and university-affiliated research institutes.

[e] Includes 2-year colleges, community colleges, or technical institutes, and other precollege institutions.

[f] Includes those self-employed in an incorporated business.

[g] Self-employed or business owner in a nonincorporated business.

[h] Includes employers not broken out separately.

Note(s):
Numbers are rounded to nearest 50. Detail may not add to total because of rounding. Standard errors are rounded up to nearest 25. 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.