

TABLE 44

## U.S. residing employed doctoral scientists and engineers, by sector of employment, broad occupation, ethnicity, and race: 2023

(Number and SE)

Employment sector and occupation	All employed		Hispanic or Latino <sup>a</sup>		Not Hispanic or Latino <sup>b</sup>									
					American Indian or Alaska Native		Asian		Black or African American		White		Other race <sup>c</sup>	
	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE
All sectors	908,700	2,300	47,400	700	1,750	175	240,850	1,900	36,050	500	566,700	2,050	15,950	525
Science occupations	489,300	2,625	26,100	550	800	100	131,700	1,700	16,650	400	305,400	2,200	8,600	400
Biological, agricultural, and other life scientists	168,150	1,575	9,850	400	250	100	44,450	925	5,200	275	104,950	1,375	3,400	275
Computer and information scientists	76,900	1,250	2,300	175	S	S	35,800	975	1,400	175	36,400	825	950	150
Mathematical scientists	48,650	1,000	2,300	200	D	D	17,450	700	1,450	150	26,750	850	750	125
Physical scientists	88,350	1,325	3,800	250	100	25	21,050	850	2,850	225	59,150	1,025	1,400	150
Psychologists	36,450	850	2,350	225	100	50	2,950	350	1,600	175	28,600	725	850	150
Social scientists	70,750	1,175	5,550	300	300	75	10,050	550	4,100	250	49,550	975	1,250	150
Engineering occupations	127,550	1,600	5,550	250	100	50	52,400	1,100	3,350	225	64,750	1,125	1,400	200
S&E-related occupations	135,450	1,825	7,950	350	350	75	26,500	1,000	7,000	375	90,900	1,525	2,700	275
Non-S&E occupations	156,400	2,025	7,800	325	450	100	30,250	975	9,050	400	105,600	1,650	3,250	250
4-year educational institution <sup>d</sup>	341,350	2,475	20,100	450	650	100	72,100	1,450	14,450	450	227,850	2,050	6,200	325
Science occupations	226,500	2,275	13,400	450	400	75	47,450	1,225	8,450	375	152,800	1,800	4,050	300
Biological, agricultural, and other life scientists	76,550	1,275	4,550	225	50	25	18,000	650	2,000	175	50,450	1,025	1,550	175
Computer and information scientists	15,550	575	600	100	D	D	5,850	400	550	125	8,350	450	200	125
Mathematical scientists	21,100	775	1,200	150	D	D	5,750	450	650	100	13,250	600	250	75
Physical scientists	41,350	1,000	1,800	175	*	*	9,150	600	1,300	175	28,300	775	750	100
Psychologists	22,450	725	1,500	175	100	50	1,800	275	1,050	175	17,450	625	550	125
Social scientists	49,500	1,000	3,750	300	200	75	6,900	475	2,850	250	34,950	850	800	125
Engineering occupations	35,600	925	1,800	175	D	D	12,200	625	950	125	20,300	725	300	75
S&E-related occupations	36,100	950	2,400	200	100	50	6,500	500	2,150	200	24,200	800	800	125
Non-S&E occupations	43,150	1,050	2,550	200	150	50	5,950	450	2,950	250	30,550	900	1,000	125
Other educational institution <sup>e</sup>	26,750	875	2,100	200	150	75	3,250	375	2,100	200	18,500	725	600	150
Science occupations	12,550	600	900	125	S	S	2,050	300	900	125	8,350	475	250	75
Biological, agricultural, and other life scientists	3,200	325	200	50	D	D	550	175	200	50	2,150	225	100	50
Computer and information scientists	550	150	D	D	D	D	D	D	*	*	350	125	D	D
Mathematical scientists	1,000	150	150	50	D	D	150	75	50	25	600	125	D	D
Physical scientists	3,750	350	250	50	D	D	1,050	250	300	75	2,150	275	D	D
Psychologists	1,500	200	100	50	D	D	D	D	100	50	1,200	175	D	D
Social scientists	2,550	275	250	75	D	D	100	50	200	75	1,900	250	100	50
Engineering occupations	400	125	D	D	D	D	D	D	D	D	300	125	D	D
S&E-related occupations	7,150	450	650	125	D	D	500	125	450	75	5,350	350	S	S
Non-S&E occupations	6,650	375	550	100	50	25	650	125	800	125	4,500	375	150	50

TABLE 44

## U.S. residing employed doctoral scientists and engineers, by sector of employment, broad occupation, ethnicity, and race: 2023

(Number and SE)

Employment sector and occupation	All employed		Hispanic or Latino <sup>a</sup>		Not Hispanic or Latino <sup>b</sup>									
					American Indian or Alaska Native		Asian		Black or African American		White		Other race <sup>c</sup>	
	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE
Private, for profit <sup>f</sup>	354,100	2,775	15,100	450	300	75	130,650	1,775	10,750	425	191,800	2,025	5,550	375
Science occupations	163,300	2,125	6,900	325	100	50	63,950	1,425	4,100	300	85,550	1,525	2,700	250
Biological, agricultural, and other life scientists	54,400	1,250	3,150	275	D	D	18,350	725	1,800	200	29,950	875	1,100	175
Computer and information scientists	53,650	1,225	1,450	175	D	D	27,500	1,000	750	150	23,250	750	650	100
Mathematical scientists	20,150	725	650	100	D	D	9,700	575	400	75	9,100	475	300	75
Physical scientists	24,600	875	950	100	50	25	6,800	475	750	125	15,700	675	350	100
Psychologists	4,850	425	350	100	D	D	500	150	150	50	3,650	350	200	100
Social scientists	5,650	425	350	75	D	D	1,050	200	250	50	3,850	350	100	50
Engineering occupations	73,900	1,350	2,850	175	S	S	35,000	950	1,700	175	33,500	875	800	175
S&E-related occupations	46,600	1,200	2,400	225	50	50	12,400	700	2,100	225	29,000	875	650	125
Non-S&E occupations	70,300	1,400	3,000	225	100	50	19,250	900	2,850	250	43,750	1,025	1,350	200
Private, nonprofit	64,300	1,175	3,300	250	200	100	13,800	675	2,800	250	42,900	975	1,300	150
Science occupations	30,500	750	1,550	200	S	S	7,450	500	850	125	19,900	650	600	100
Biological, agricultural, and other life scientists	12,600	550	600	100	D	D	3,550	350	250	75	7,900	450	200	50
Computer and information scientists	2,700	275	50	25	D	D	850	175	D	D	1,700	200	50	25
Mathematical scientists	2,550	225	150	50	D	D	800	175	100	50	1,400	175	100	50
Physical scientists	5,350	400	200	50	D	D	1,450	225	100	25	3,500	325	50	25
Psychologists	2,550	275	100	50	D	D	300	100	50	25	2,000	250	S	S
Social scientists	4,800	350	450	125	D	D	500	125	300	75	3,400	300	150	50
Engineering occupations	4,300	350	150	50	D	D	1,450	275	100	25	2,550	250	50	25
S&E-related occupations	16,100	700	950	150	D	D	3,300	400	800	150	10,650	600	400	150
Non-S&E occupations	13,450	600	650	100	S	S	1,600	250	1,050	175	9,800	550	250	50
Federal government	58,600	1,250	3,600	225	250	75	10,700	625	3,100	250	39,800	1,025	1,150	150
Science occupations	34,850	875	2,250	225	50	25	6,650	500	1,550	150	23,700	675	650	100
Biological, agricultural, and other life scientists	14,500	625	1,050	150	S	S	3,000	350	650	100	9,400	450	350	75
Computer and information scientists	1,850	200	100	50	D	D	450	150	50	25	1,250	175	50	25
Mathematical scientists	2,650	275	150	50	D	D	800	150	150	50	1,550	200	50	25
Physical scientists	9,600	500	550	150	D	D	1,700	250	350	100	6,750	450	150	50
Psychologists	2,100	250	150	75	D	D	100	50	100	50	1,800	225	D	D
Social scientists	4,150	300	250	75	D	D	600	125	200	50	3,000	250	50	50
Engineering occupations	7,850	525	450	75	D	D	1,600	275	350	100	5,300	375	100	50
S&E-related occupations	9,550	550	550	100	100	50	1,550	300	750	150	6,300	475	250	75
Non-S&E occupations	6,350	425	350	75	S	S	850	200	450	100	4,450	350	150	75
State or local government	18,700	725	1,000	125	50	25	4,450	400	1,400	175	11,500	575	350	75

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(Number and SE)

Employment sector and occupation	All employed		Hispanic or Latino <sup>a</sup>		Not Hispanic or Latino <sup>b</sup>									
					American Indian or Alaska Native		Asian		Black or African American		White		Other race <sup>c</sup>	
	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE
Science occupations	9,000	475	400	100	D	D	2,000	250	450	100	6,000	400	150	50
Biological, agricultural, and other life scientists	2,950	225	100	50	D	D	400	100	150	50	2,250	225	50	50
Computer and information scientists	800	200	*	*	D	D	350	150	D	D	400	125	D	D
Mathematical scientists	500	125	*	*	D	D	150	75	D	D	350	100	D	D
Physical scientists	2,400	275	100	25	D	D	700	175	50	25	1,500	225	S	S
Psychologists	1,000	175	D	D	D	D	D	D	D	D	750	150	D	D
Social scientists	1,350	175	100	50	D	D	350	100	150	50	750	125	*	*
Engineering occupations	2,500	325	150	50	D	D	1,200	225	150	75	950	175	50	25
S&E-related occupations	3,950	325	300	75	D	D	1,000	200	400	100	2,200	225	50	25
Non-S&E occupations	3,200	325	150	50	D	D	250	75	400	125	2,350	250	100	50
Self-employed <sup>g</sup>	42,350	1,150	1,650	150	S	S	5,350	525	1,250	175	33,200	1,025	800	150
Science occupations	10,950	675	350	75	D	D	1,650	350	250	75	8,450	550	200	75
Biological, agricultural, and other life scientists	3,650	350	150	50	D	D	550	200	100	75	2,800	275	D	D
Computer and information scientists	1,750	275	50	25	D	D	600	175	D	D	1,100	225	D	D
Mathematical scientists	650	125	D	D	D	D	100	50	D	D	450	125	D	D
Physical scientists	1,300	175	50	25	D	D	100	50	D	D	1,100	175	D	D
Psychologists	1,950	300	S	S	D	D	S	S	D	D	1,700	275	D	D
Social scientists	1,650	200	50	50	D	D	S	S	50	50	1,300	150	D	D
Engineering occupations	2,800	350	100	50	D	D	700	200	D	D	1,900	300	100	50
S&E-related occupations	15,850	750	750	125	D	D	1,300	275	350	100	13,150	675	300	100
Non-S&E occupations	12,750	625	500	100	D	D	1,650	275	600	150	9,700	550	200	75
Other sector <sup>h</sup>	2,450	275	450	100	D	D	600	175	150	75	1,200	200	D	D
Science occupations	1,600	225	350	100	D	D	450	150	100	50	650	150	D	D
Biological, agricultural, and other life scientists	250	75	S	S	D	D	D	D	D	D	100	50	D	D
Computer and information scientists	D	D	D	D	D	D	D	D	D	D	D	D	D	D
Mathematical scientists	S	S	D	D	D	D	D	D	D	D	D	D	D	D
Physical scientists	100	50	D	D	D	D	D	D	D	D	100	50	D	D
Psychologists	D	D	D	D	D	D	D	D	D	D	D	D	D	D
Social scientists	1,200	200	300	75	D	D	350	125	D	D	450	150	D	D
Engineering occupations	150	75	D	D	D	D	D	D	D	D	D	D	D	D
S&E-related occupations	200	75	D	D	D	D	D	D	D	D	100	50	D	D
Non-S&E occupations	500	125	S	S	D	D	D	D	D	D	400	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.

<sup>a</sup> Hispanic or Latino may be of any race.

<sup>b</sup> American Indian or Alaska Native, Asian, Black or African American, and White are single race.

<sup>c</sup> Other race includes individuals who reported being Native Hawaiian or Other Pacific Islander, single race, and those who reported being more than one race.

<sup>d</sup> Four-year educational institution includes 4-year colleges or universities, medical schools (including university-affiliated hospitals or medical centers), and university-affiliated research institutes.

<sup>e</sup> Other educational institution includes 2-year colleges, community colleges, technical institutes, precollege institutions, and other educational institutions.

<sup>f</sup> Private, for profit includes those self-employed in an incorporated business.

<sup>g</sup> Self-employed or business owner in a nonincorporated business.

<sup>h</sup> Other sector includes employers not broken out separately.

**Note(s):**

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