

TABLE 6

U.S. residing doctoral scientists and engineers, by field of doctorate, ethnicity, and race: 2019

(Number and SE)

Field of study	Total		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 fields	1,008,950	1,450	41,400	575	1,600	150	235,050	1,325	35,050	350	682,450	1,425	13,400	400
Science	761,850	1,425	32,400	500	1,300	125	142,100	1,250	26,850	375	548,500	1,525	10,700	350
Biological, agricultural, and environmental life sciences	258,550	850	11,250	300	250	50	55,700	900	7,800	275	179,600	1,075	3,950	225
Agricultural and food sciences	21,700	300	1,150	100	50	25	4,650	250	900	75	14,700	300	250	50
Biochemistry and biophysics	35,350	375	1,100	100	D	D	9,500	400	850	100	23,550	475	300	75
Cell, cellular biology, and molecular biology	34,850	325	1,350	125	D	D	9,100	400	900	175	22,850	500	650	100
Microbiological sciences and immunology	27,600	300	1,300	125	50	25	5,650	300	950	125	19,050	350	550	100
Natural resources and conservation	10,950	200	450	50	50	25	1,450	125	400	50	8,400	225	250	50
Zoology	9,850	200	450	75	D	D	1,000	150	250	50	8,100	200	100	50
Other biological sciences	118,200	550	5,450	200	100	50	24,350	575	3,600	225	82,850	700	1,850	175
Computer and information sciences	33,650	375	1,000	100	D	D	14,000	400	650	75	17,600	350	350	100
Mathematics and statistics	43,800	375	1,450	125	D	D	12,450	400	1,000	100	28,400	425	450	100
Physical sciences, geosciences, atmospheric sciences, and ocean sciences	161,450	825	4,850	200	100	50	36,850	750	3,350	225	114,350	875	1,850	150
Astronomy and astrophysics	6,700	150	250	50	D	D	850	100	50	25	5,450	150	100	25
Chemistry, except biochemistry	80,650	475	2,550	150	100	50	18,950	500	2,300	200	56,050	575	800	100
Geosciences, atmospheric sciences, and ocean sciences	26,250	275	850	75	*	*	4,150	200	350	50	20,500	275	350	50
Physics	47,850	550	1,250	125	D	D	12,900	450	700	125	32,350	525	600	125
Psychology	139,450	575	7,350	275	350	75	8,000	450	6,700	250	114,800	750	2,250	175
Social sciences	124,950	800	6,450	275	500	100	15,150	500	7,350	300	93,700	725	1,800	175
Economics	32,450	525	1,700	125	D	D	6,300	325	1,250	150	22,850	475	300	75
Political science and government	25,800	350	1,050	150	50	25	1,900	225	2,150	225	20,150	375	500	125
Sociology, demography, and population studies	19,850	300	1,200	125	100	50	1,650	200	1,400	125	15,250	300	300	75
Other social sciences	46,800	450	2,550	150	300	75	5,300	275	2,500	125	35,450	450	750	100
Engineering	199,500	975	7,450	300	150	50	83,500	1,150	4,650	225	101,650	1,025	2,100	225
Aerospace, aeronautical, and astronautical engineering	7,900	200	300	75	D	D	2,400	175	100	25	5,000	200	50	25
Chemical engineering	24,450	400	1,000	150	D	D	9,700	400	400	75	13,050	400	300	75
Civil engineering	21,400	400	1,150	150	D	D	7,450	375	800	150	11,800	375	200	75

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	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE
Electrical and computer engineering	53,950	525	1,500	125	50	25	27,100	575	1,050	125	23,900	525	350	75
Mechanical engineering	29,300	400	1,000	125	50	25	13,350	450	550	100	14,000	450	400	125
Industrial engineers	19,100	300	600	125	D	D	8,300	325	400	75	9,450	325	300	75
Other engineering	43,400	450	1,900	125	50	25	15,250	500	1,300	100	24,400	450	500	100
Health	47,600	400	1,550	125	150	50	9,450	375	3,550	200	32,350	400	600	100

* = suppressed when population estimate < 25. D = suppressed to avoid disclosure of confidential information.

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.

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 2019.

Source(s):

National Center for Science and Engineering Statistics, Survey of Doctorate Recipients: 2019.