

TABLE 12-2

**Non-U.S. residing employed doctoral scientists and engineers, by field of doctorate and sector of employment: 2019**

(Number and SE)

Field of study	All employed		Educational institution <sup>a</sup>		Business or industry <sup>b</sup>		Government <sup>c</sup>	
	Number	SE	Number	SE	Number	SE	Number	SE
All fields	126,050	1,450	81,550	1,400	31,250	975	13,200	650
Science	89,250	1,275	58,400	1,150	20,450	725	10,400	575
Biological, agricultural, and environmental life sciences	25,950	725	15,600	550	6,550	425	3,800	350
Agricultural and food sciences	5,000	300	2,900	250	1,400	175	750	125
Biochemistry and biophysics	2,250	275	1,250	250	650	200	350	125
Cell, cellular biology, and molecular biology	2,450	275	1,300	225	800	175	350	150
Microbiological sciences and immunology	2,250	275	1,550	225	400	150	300	100
Natural resources and conservation	2,100	200	1,300	175	500	100	350	75
Zoology	1,050	175	700	175	200	75	200	100
Other biological sciences	10,800	550	6,650	425	2,600	275	1,550	200
Computer and information sciences	4,700	350	3,450	350	1,150	200	100	75
Mathematics and statistics	6,800	350	5,350	375	1,000	175	500	150
Physical sciences, geosciences, atmospheric sciences, and ocean sciences	20,300	800	12,050	550	5,450	450	2,800	325
Astronomy and astrophysics	900	125	650	100	100	50	S	S
Chemistry, except biochemistry	6,650	450	3,450	350	2,600	325	600	175
Geosciences, atmospheric sciences, and ocean sciences	4,000	225	2,300	175	800	150	900	150
Physics	8,700	525	5,650	450	1,950	300	1,100	225
Psychology	5,400	350	3,450	325	1,450	225	500	125
Social sciences	26,050	775	18,500	700	4,850	400	2,700	300
Economics	12,200	500	8,100	475	2,550	325	1,500	225
Political science and government	3,250	325	2,100	275	850	200	250	100
Sociology, demography, and population studies	2,250	250	1,700	225	300	100	250	100
Other social sciences	8,400	425	6,600	400	1,150	175	700	150
Engineering	32,450	900	20,200	850	9,750	575	2,500	325
Aerospace, aeronautical, and astronautical engineering	1,100	200	500	150	500	175	100	50
Chemical engineering	3,700	375	2,300	350	1,250	250	200	75
Civil engineering	5,400	400	3,100	325	1,550	300	750	200
Electrical and computer engineering	8,200	500	5,300	475	2,400	325	500	125
Mechanical engineering	3,700	375	2,600	350	900	200	200	100
Industrial engineers	2,900	275	1,750	225	1,000	175	150	75
Other engineering	7,450	400	4,700	350	2,150	225	650	125
Health	4,350	350	3,000	325	1,050	175	300	100

S = suppressed for reliability; coefficient of variation exceeds publication standards.

SE = standard error.

<sup>a</sup> Educational institution includes 4-year colleges or universities, medical schools (including university-affiliated hospitals or medical centers), university-affiliated research institutes, 2-year colleges, community colleges, technical institutes, precollege institutions, and other educational institutions.

<sup>b</sup> Business or industry includes private for profit, private not for profit, self-employed or business owners in incorporated or nonincorporated business, and employers not broken out separately.

<sup>c</sup> Government includes U.S. federal, state, and local government and non-U.S. government at any level.

**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.