

TABLE 12-2

Non-U.S. residing employed doctoral scientists and engineers, by field of doctorate and sector of employment: 2023

(Number and SE)

Field of study	All employed		Educational institution ^a		Business or industry ^b		Government ^c	
	Number	SE	Number	SE	Number	SE	Number	SE
All fields	146,300	1,825	91,500	1,500	38,100	1,275	16,750	875
Science	102,600	1,650	64,950	1,375	24,950	975	12,700	700
Biological, agricultural, and environmental life sciences	29,550	875	16,000	625	9,000	575	4,500	375
Agricultural and food sciences	5,150	300	2,800	225	1,400	175	900	175
Biochemistry and biophysics	3,000	400	1,450	275	1,100	250	450	150
Cell, cellular biology, and molecular biology	2,600	350	1,200	250	1,050	225	350	150
Microbiological sciences and immunology	2,350	275	1,450	250	650	175	250	100
Natural resources and conservation	2,450	225	1,300	150	750	125	400	100
Zoology	1,000	150	600	125	200	75	200	75
Other biological sciences	13,050	625	7,200	475	3,900	350	1,900	275
Computer and information sciences	5,750	425	3,700	375	1,800	275	300	125
Mathematics and statistics	8,800	475	6,600	425	1,750	250	450	100
Physical sciences, geosciences, atmospheric sciences, and ocean sciences	22,250	925	12,550	750	6,200	450	3,450	400
Astronomy and astrophysics	1,200	175	650	150	300	100	250	125
Chemistry, except biochemistry	7,500	650	4,200	525	2,500	325	800	200
Geosciences, atmospheric sciences, and ocean sciences	4,550	275	2,600	225	1,000	175	900	150
Physics	9,000	625	5,100	475	2,400	325	1,500	300
Psychology	6,500	450	4,400	400	1,500	250	600	175
Social sciences	29,750	925	21,700	850	4,700	325	3,400	375
Economics	12,850	525	8,650	500	2,200	275	2,000	300
Political science and government	4,250	400	2,900	350	700	150	600	175
Sociology, demography, and population studies	2,700	325	2,150	275	450	125	100	50
Other social sciences	9,950	450	8,000	425	1,350	175	650	100
Engineering	38,100	1,125	22,700	925	11,850	725	3,600	425
Aerospace, aeronautical, and astronautical engineering	1,100	175	500	125	400	125	200	100
Chemical engineering	3,600	400	2,000	300	1,400	275	200	100
Civil engineering	6,300	450	3,950	375	1,450	225	900	225
Electrical and computer engineering	9,100	600	5,450	475	2,800	350	850	225
Mechanical engineering	5,400	475	3,300	375	1,800	325	350	150
Metallurgical and materials engineering	3,650	400	2,000	325	1,350	250	300	125
Other engineering	8,950	475	5,500	400	2,700	275	750	150
Health	5,600	425	3,800	375	1,300	225	500	125

SE = standard error.

^a 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.

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

^c 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 2023.

Source(s):

National Center for Science and Engineering Statistics, Survey of Doctorate Recipients, 2023.