TABLE 15-3

Non-U.S. residing employed doctoral scientists and engineers, by fine field of doctorate and primary work activity: 2021

(Number and SE)

Field of study	All employed		Primary work activity[a]			
			Any R&D[b]		Other[c]	
	Number	SE	Number	SE	Number	SE
All fields	145,250	1,700	68,050	1,550	77,200	1,525
Science	101,650	1,450	49,500	1,300	52,100	1,225
Biological, agricultural, and environmental life sciences	28,600	775	14,750	625	13,850	600
Agricultural and food sciences	5,500	275	2,500	225	3,050	250
Agricultural sciences	250	50	100	50	150	50
Animal sciences	1,100	150	450	100	650	125
Food sciences and technology	1,650	175	550	125	1,100	175
Plant sciences	1,950	175	1,100	150	850	125
Soil sciences	550	100	300	75	250	75
Biochemistry and biophysics	2,950	375	1,700	300	1,250	250
Biochemistry	2,400	325	1,350	300	1,050	250
Biophysics	550	125	350	100	200	100
Cell, cellular biology, and molecular biology	2,400	300	1,200	225	1,200	225
Microbiological sciences and immunology	2,300	275	1,200	200	1,100	200
Immunology	750	175	250	125	450	150
Microbiological sciences	1,550	225	900	175	650	125
Natural resources and conservation	2,300	200	1,100	175	1,200	150
Fish, fisheries, wildlife, and wildlands science and management	600	100	350	125	250	75
Forestry	700	75	300	75	350	75
Natural resource conservation, research, management, and policy	1,050	150	450	150	600	125
Zoology	1,300	200	750	175	550	125
Other biological sciences	11,850	525	6,300	450	5,500	375
Biomathematics, bioinformatics, and computational biology	600	125	300	75	300	100
Botany and plant biology	1,500	175	950	150	550	100
Epidemiology, ecology, and population biology	2,900	300	1,450	225	1,450	225
Genetics	1,200	175	700	175	500	125
Neurobiology and neuroscience	1,350	200	750	150	600	150
Nutrition sciences	750	150	350	125	350	100
Pharmacology and toxicology	600	125	250	75	350	100
Physiology, pathology, and related sciences	1,300	175	700	150	650	125
Biological and biomedical sciences, general	1,150	200	600	175	550	125
Biological and biomedical sciences, other	500	150	300	125	250	100
Computer and information sciences	5,000	375	1,900	275	3,100	325
Computer science	4,000	350	1,650	275	2,400	300
Information science, studies	500	125	50	25	400	125
Computer and information sciences, other	500	100	200	75	300	75
Mathematics and statistics	9,350	500	4,850	375	4,450	375
Applied mathematics	2,100	275	1,100	250	1,000	225
Mathematics	4,900	350	2,600	275	2,300	275
Statistics	1,350	275	700	175	650	225
Mathematics and statistics, other	1,000	125	500	100	500	100
Physical sciences, geosciences, atmospheric sciences, and ocean sciences	21,950	825	11,700	725	10,250	575
Astronomy and astrophysics	800	125	350	75	400	100
Chemistry, except biochemistry	7,600	525	3,950	425	3,650	325
Inorganic chemistry	1,050	150	650	125	400	100
Organic chemistry	2,000	300	1,000	225	1,000	200
Chemistry, other, except biochemistry	4,550	425	2,300	350	2,250	275
Geosciences, atmospheric sciences, and ocean sciences	4,700	275	2,650	250	2,050	225
Atmospheric sciences and meteorology	800	75	450	75	350	75

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	Number	SE	Number	SE	Number	SE
Geological and earth sciences, geosciences	2,700	250	1,450	200	1,200	175
Ocean sciences and marine sciences	300	75	150	50	150	50
Oceanography, chemical and physical	950	125	600	125	350	100
Physics	8,900	600	4,750	525	4,100	425
Psychology	6,250	450	2,250	300	4,000	425
Clinical psychology	1,300	275	250	125	1,050	275
Counseling and applied psychology	600	150	S	S	500	150
Educational and school psychology	750	150	300	100	450	125
Industrial and organizational psychology	400	150	250	150	150	50
Research and experimental psychology	2,350	200	1,150	200	1,200	175
Psychology, general	500	150	D	D	450	150
Psychology, other	350	100	200	75	150	75
Social sciences	30,500	875	14,050	725	16,450	825
Economics	12,650	475	6,400	500	6,250	475
Political science and government	5,150	500	2,700	375	2,400	350
Political science and government	4,400	500	2,300	375	2,100	350
Public policy analysis	750	125	400	100	350	100
Sociology, demography, and population studies	2,400	250	1,000	200	1,400	225
Other social sciences	10,300	500	3,950	375	6,350	425
Anthropology	1,900	225	800	175	1,100	175
Area, ethnic, cultural, gender, and group studies	400	100	50	25	350	100
Geography and cartography	1,250	200	450	100	800	200
International relations and national security studies	1,050	125	400	100	650	125
Linguistics	2,750	250	1,000	200	1,750	225
Urban studies, affairs	800	125	300	125	450	100
Social sciences, other	2,150	250	950	175	1,200	200
Engineering	38,000	1,075	16,750	800	21,250	925
Aerospace, aeronautical, and astronautical engineering	1,600	250	850	200	750	175
Chemical engineering	3,850	375	2,050	300	1,800	275
Civil engineering	6,600	525	2,850	350	3,700	425
Electrical and computer engineering	9,150	525	3,800	425	5,350	425
Computer engineering	1,600	225	650	175	950	175
Electrical, electronics, and communications engineering	7,500	500	3,100	400	4,400	375
Mechanical engineering	4,800	400	1,900	325	2,900	350
Metallurgical and materials engineering	3,450	350	1,800	300	1,650	250
Other engineering	8,550	450	3,500	350	5,050	400
Agricultural engineering	600	100	300	100	350	75
Bioengineering and biomedical engineering	1,400	250	700	200	700	175
Engineering mechanics, physics, and science	1,050	150	650	150	400	100
Industrial and manufacturing engineering	3,000	300	800	200	2,200	275
Nuclear engineering	600	100	200	50	400	100
Engineering, other	1,900	225	850	175	1,050	175
Health	5,600	425	1,750	275	3,850	325
Communication disorders sciences and services	300	100	S	S	250	100
Hospital and medical administration services	250	50	150	50	100	50
Pharmacy, pharmaceutical sciences, and administration	1,200	250	500	175	700	175
Public health	1,200	200	400	125	800	175
Registered nursing, nursing administration, nursing research	1,300	250	S	S	1,100	225

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(Number and SE)

Field of study	All employed		Primary work activity[a]			
			Any R&D[b]		Other[c]	
	Number	SE	Number	SE	Number	SE
Health sciences, other	1,350	175	450	150	900	125

D = suppressed to avoid disclosure of confidential information. S = suppressed for reliability; coefficient of variation exceeds publication standards.

SE = standard error.

[a] Primary work activity on principal job.

[b] R&D is defined as applied research, basic research, and experimental development.

[c] Other work activities includes all non-R&D activities.

Note(s):
Numbers are rounded to the nearest 50. Standard errors are rounded up to the nearest 25. Detail may exceed total due to multiple responses. Primary and secondary work activities were self-defined by respondent in response to the question: "On which two activities...did you work the most hours during a typical week on this job?" 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.