

Table 6-3**Temporary visa holder research doctorate recipients with definite postgraduation commitments, by major field of doctorate: 2022**

(Number)

Field of doctorate	Temporary visa holder doctorate recipients	Doctorate recipients with definite commitments	Location of definite commitments							
			United States					Other ^b	Abroad	Unknown
			Total	Postdoctoral study	Academic employment	Industry employment ^a				
Temporary visa holder doctorate recipients reporting postgraduation commitments	19,633	13,686	11,061	4,701	1,374	4,598	388	2,599	26	
Science and engineering	17,119	12,118	10,053	4,435	800	4,496	322	2,040	25	
Agricultural sciences and natural resources	496	329	248	173	15	52	8	81	0	
Agricultural, animal, plant, and veterinary sciences	380	249	187	132	D	41	D	62	0	
Natural resources and conservation	116	80	61	41	D	11	D	19	0	
Biological and biomedical sciences	2,344	1,704	1,472	965	59	404	44	228	4	
Biochemistry, biophysics, and molecular biology	490	356	304	209	D	79	D	50	2	
Bioinformatics, biostatistics, and computational biology	303	219	206	60	10	124	12	11	2	
Cell/ cellular biology and anatomy	158	114	D	71	D	30	0	D	0	
Ecology, evolutionary biology, and epidemiology	208	142	109	78	9	14	8	33	0	
Genetics and genomics	92	74	D	46	D	16	1	D	0	
Microbiology and immunology	178	140	119	85	6	24	4	21	0	
Neurobiology and neurosciences	214	165	149	113	D	31	D	16	0	
Pharmacology and toxicology	86	67	56	40	0	14	2	11	0	
Physiology, oncology, and cancer biology	204	151	130	100	8	19	3	21	0	
Biological and biomedical sciences, other	411	276	232	163	11	53	5	44	0	
Computer and information sciences	1,318	973	859	179	97	563	20	113	1	
Computer science	885	665	D	124	60	399	D	D	0	
Computer and information sciences, other	433	308	D	55	37	164	D	D	1	
Engineering	5,820	4,016	3,504	1,287	183	1,946	88	505	7	
Biological, biomedical, and biosystems engineering	350	239	212	109	6	96	1	27	0	
Chemical and petroleum engineering	635	435	383	147	5	221	10	51	1	
Civil, environmental, and transportation engineering	823	551	D	220	D	201	18	D	0	

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Electrical and computer engineering	1,471	1,078	964	213	55	675	21	112	2
Engineering technologies	252	199	D	51	D	104	4	D	1
Industrial engineering and operations research	396	273	D	58	D	119	12	D	1
Materials and mining engineering	434	279	D	112	D	125	4	D	0
Mechanical engineering	842	543	493	216	23	246	8	49	1
Engineering, other	617	419	360	161	30	159	10	58	1
Geosciences, atmospheric, and ocean sciences	389	265	215	166	D	D	5	50	0
Geological and earth sciences	243	156	118	83	D	D	4	38	0
Ocean, marine, and atmospheric sciences	146	109	97	83	0	13	1	12	0
Health sciences	655	430	314	154	44	102	14	115	1
Nursing and nursing science	75	46	22	10	10	0	2	24	0
Pharmacy and pharmaceutical sciences	231	169	143	59	D	D	2	25	1
Public health	168	105	76	48	D	D	6	29	0
Health sciences, other	181	110	73	37	20	12	4	37	0
Mathematics and statistics	1,088	821	661	288	D	D	14	157	3
Applied mathematics	252	190	165	80	D	D	0	25	0
Mathematics	390	290	191	122	22	43	4	96	3
Statistics	446	341	305	86	25	184	10	36	0
Multidisciplinary/interdisciplinary sciences	891	653	550	171	56	299	24	101	2
Interdisciplinary computer sciences	362	258	D	48	24	135	D	D	1
Multidisciplinary/interdisciplinary sciences, other	529	395	D	123	32	164	D	D	1
Physical sciences	2,124	1,505	1,285	695	27	545	18	217	3
Astronomy and astrophysics	80	64	48	38	0	9	1	16	0
Chemistry	1,010	696	625	323	8	283	11	70	1
Materials sciences	184	128	117	51	D	D	0	11	0
Physics	850	617	495	283	D	D	6	120	2
Psychology	328	219	168	98	37	21	12	50	1
Clinical psychology	38	29	D	20	D	D	3	D	1
Counseling and applied psychology	108	69	49	20	18	6	5	20	0
Research and experimental psychology	141	94	71	43	D	D	3	23	0
Psychology, other	41	27	D	15	6	D	1	D	0

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Social sciences	1,666	1,203	777	259	216	227	75	423	3
Anthropology	59	40	21	17	D	D	D	19	0
Area, ethnic, cultural, gender, and group studies	88	56	D	10	22	D	1	D	0
Economics	822	657	438	102	103	185	48	217	2
Political science and government	187	132	85	41	27	11	6	47	0
Public policy analysis	85	57	D	17	D	8	6	D	0
Sociology, demography, and population studies	113	75	42	18	17	D	D	32	1
Social sciences, other	312	186	119	54	38	17	10	67	0
Non-science and engineering	2,514	1,568	1,008	266	574	102	66	559	1
Business	667	503	352	42	259	43	8	151	0
Business administration and management	180	120	85	12	62	7	4	35	0
Business, other	487	383	267	30	197	36	4	116	0
Education	497	275	154	56	D	D	15	121	0
Education leadership and administration	71	31	12	D	D	0	2	19	0
Education research	197	111	69	26	29	8	6	42	0
Teacher education	174	103	D	D	31	5	6	D	0
Education, other	55	30	D	9	5	D	1	D	0
Humanities	560	320	181	69	90	6	16	139	0
English language and literature, letters	108	61	35	D	22	D	0	26	0
Foreign languages, literatures, and linguistics	183	94	65	D	39	D	5	29	0
History	103	74	36	25	10	0	1	38	0
Philosophy and religious studies	104	55	32	11	D	D	3	23	0
Humanities, other	62	36	13	D	D	D	7	23	0
Visual and performing arts	177	92	55	17	D	D	4	37	0
Performing arts	106	D	D	6	D	D	3	24	0
Visual arts, media studies, and design	71	D	D	11	D	D	1	13	0
Other non-science and engineering	613	378	266	82	125	36	23	111	1
Communications and journalism	171	106	D	D	47	6	4	D	0
Multidisciplinary/interdisciplinary studies	64	33	17	D	9	D	2	16	0
Public administration and social services	105	60	D	16	16	D	5	D	1
Non-science and engineering, other	273	179	130	41	53	24	12	49	0

D = suppressed to avoid disclosure of confidential information.

^a Includes doctorate recipients reporting self-employment.

^b Includes doctorate recipients reporting government, nonprofit, elementary or secondary school, or other employment and those with unknown employment.

Note(s):

A definite postgraduation commitment includes accepting new employment or a postdoctoral study (postdoc) position or returning to predoctoral employment. Beginning in 2021, a modified version of the 2020 Classification of Instructional Programs (CIP) codes was used in the survey data collection, and new broad, major, and detailed fields are used in tables reporting data from 2021 to the present; see the field list in table A-4. Therefore, the field of doctorate data prior to 2021 may not be comparable to subsequent years. For more information, see the "Technical Notes" and the SED 2021 Taxonomy Changes Working Paper (available at <https://nces.nsf.gov/pubs/nces23200>).

Source(s):

National Center for Science and Engineering Statistics, Survey of Earned Doctorates.