

Table 6-3

Temporary visa holder research doctorate recipients with definite postgraduation commitments, by major field of doctorate: 2021

(Number)

Field of doctorate	All doctorate recipients	Doctorate recipients with definite commitments	Location of definite commitments						
			United States					Abroad	Unknown
			Total	Postdoctoral study	Academic employment	Industry employment ^a	Other ^b		
Temporary visa holder doctorate recipients reporting postgraduation commitments	17,638	11,656	8,977	4,399	1,134	3,176	268	2,660	19
Science and engineering	15,259	10,237	8,153	4,159	664	3,106	224	2,068	16
Agricultural sciences and natural resources	477	285	212	158	9	41	4	72	1
Agricultural, animal, plant, and veterinary sciences	340	211	158	113	9	35	1	52	1
Natural resources and conservation	137	74	54	45	0	6	3	20	0
Biological and biomedical sciences	2,067	1,435	1,210	923	46	218	23	223	2
Biochemistry, biophysics, and molecular biology	426	283	239	193	7	35	4	44	0
Bioinformatics, biostatistics, and computational biology	252	204	180	74	10	89	7	24	0
Cell/ cellular biology and anatomy	173	123	D	87	D	12	1	D	1
Ecology, evolutionary biology, and epidemiology	166	109	86	69	6	9	2	23	0
Genetics and genomics	93	66	D	45	D	9	0	D	0
Microbiology and immunology	179	135	115	97	5	12	1	19	1
Neurobiology and neurosciences	180	122	106	92	5	8	1	16	0
Pharmacology and toxicology	72	48	D	31	D	6	1	D	0
Physiology, oncology and cancer biology	165	112	D	80	D	14	0	D	0
Biological and biomedical sciences, other	361	233	192	155	7	24	6	41	0
Computer and information sciences	1,334	989	862	195	123	524	20	124	3
Computer science	953	716	634	142	83	396	13	81	1
Computer and information sciences, other	381	273	228	53	40	128	7	43	2
Engineering	5,266	3,342	2,841	1,239	147	1,389	66	495	6
Biological, biomedical, and biosystems engineering	306	201	181	117	9	49	6	20	0
Chemical and petroleum engineering	689	416	355	165	6	178	6	61	0
Civil, environmental, and transportation engineering	642	379	300	164	16	102	18	79	0
Electrical and computer engineering	1,384	936	831	219	42	548	22	103	2
Engineering technologies	310	199	D	67	D	81	3	D	0
Industrial engineering and operations research	376	263	216	61	37	116	2	46	1

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Materials and mining engineering	336	193	D	93	D	69	1	D	1
Mechanical engineering	764	476	400	218	14	163	5	75	1
Engineering, other	459	279	235	135	14	83	3	43	1
Geosciences, atmospheric, and ocean sciences	336	227	169	137	6	22	4	58	0
Geological and earth sciences	211	134	98	73	D	D	D	36	0
Ocean/ marine sciences and atmospheric science	125	93	71	64	D	D	D	22	0
Health sciences	528	343	247	134	28	70	15	95	1
Nursing and nursing science	60	38	D	6	D	D	1	D	0
Pharmacy and pharmaceutical sciences	189	123	D	47	D	48	8	D	0
Public health	131	90	D	44	8	D	3	D	1
Health sciences, other	148	92	66	37	15	11	3	26	0
Mathematics and statistics	987	706	527	217	65	231	14	178	1
Applied mathematics	235	157	127	59	8	58	2	30	0
Mathematics	356	236	127	88	15	24	0	108	1
Statistics	396	313	273	70	42	149	12	40	0
Multidisciplinary/ interdisciplinary sciences	544	390	328	126	38	153	11	62	0
Interdisciplinary computer sciences	255	188	D	47	16	99	D	D	0
Multidisciplinary/ interdisciplinary sciences, other	289	202	D	79	22	54	D	D	0
Physical sciences	1,901	1,283	1,049	719	20	302	8	232	2
Astronomy and astrophysics	72	52	38	D	0	D	0	14	0
Chemistry	875	584	499	335	9	151	4	84	1
Materials sciences	195	126	105	D	D	31	0	21	0
Physics	759	521	407	278	D	D	4	113	1
Psychology	309	205	156	105	27	15	9	49	0
Clinical psychology	54	45	D	30	D	0	1	D	0
Counseling and applied psychology	105	60	45	20	13	6	6	15	0
Research and experimental psychology	102	68	52	36	D	D	0	16	0
Psychology, other	48	32	D	19	D	D	2	D	0
Social sciences	1,510	1,032	552	206	155	141	50	480	0
Anthropology	75	41	26	18	7	0	1	15	0
Area, ethnic, cultural, gender, and group studies	69	37	25	14	11	0	0	12	0
Economics	773	608	324	88	79	121	36	284	0
Political science and government	139	86	40	24	D	D	0	46	0
Public policy analysis	70	35	18	7	D	D	5	17	0
Sociology, demography, and population studies	91	59	35	17	D	D	1	24	0

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			Total	Postdoctoral study	Academic employment	Industry employment ^a	Other ^b		
Social sciences, other	293	166	84	38	27	12	7	82	0
Non-science and engineering	2,379	1,419	824	240	470	70	44	592	3
Business	644	489	311	42	226	36	7	177	1
Business administration and management	180	128	82	11	59	9	3	46	0
Business, other	464	361	229	31	167	27	4	131	1
Education	496	245	126	39	66	9	12	119	0
Education leadership and administration	64	38	15	D	7	D	1	23	0
Education research	209	94	D	18	32	D	7	D	0
Teacher education	181	89	33	D	21	D	1	56	0
Education, other	42	24	D	6	6	D	3	D	0
Humanities	547	316	173	80	77	0	16	142	1
English language and literature, letters	100	51	33	16	17	0	0	18	0
Foreign languages, literatures, and linguistics	167	88	54	10	35	0	9	33	1
History	117	73	38	26	11	0	1	35	0
Philosophy and religious studies	102	61	34	20	D	0	D	27	0
Humanities, other	61	43	14	8	D	0	D	29	0
Visual and performing arts	147	69	35	D	15	D	2	34	0
Performing arts	89	33	15	D	7	D	1	18	0
Visual arts, media studies/ design	58	36	20	D	8	D	1	16	0
Other non-science and engineering	545	300	179	D	86	D	7	120	1
Communications and journalism	138	71	D	D	28	0	4	D	1
Multidisciplinary/ interdisciplinary studies	57	31	D	6	7	D	1	D	0
Public administration and social services	98	57	D	15	18	D	0	D	0
Non-science and engineering, other	252	141	87	34	33	18	2	54	0

D = suppressed to avoid disclosure of confidential information.

^a Includes doctorate recipients who indicated self-employment.^b Includes doctorate recipients who indicated government, nonprofit, elementary or secondary school, or other employment and those with unknown employment.**Note(s):**

Definite postgraduate commitment includes doctorate recipients reporting definite postgraduation commitments for employment or postdoctoral study. Beginning in 2021, a modified version of the 2020 Classification of Instructional Programs (CIP) codes was used in the survey data collection, and the new broad, major, and detailed fields were used in tables reporting only the most recent data year. Therefore, the field of doctorate data in 2021 may not be comparable to prior years; see the "Technical Notes" for more information, table A-4 for a summary of SED-CIP codes in the new SED field taxonomy, table A-5 for a full list of SED-CIP codes in the new field taxonomy, and table A-6 for the SED-CIP code crosswalk to the historical field taxonomy.

Source(s):

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