

TABLE 6-3

Temporary visa holder research doctorate recipients with definite postgraduation commitments, by major field of doctorate: 2023

(Number)

Field of doctorate	Temporary visa holder 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	19,393	13,776	11,409	4,645	1,652	4,708	404	2,353	14
Science and engineering	16,807	12,074	10,234	4,358	936	4,598	342	1,830	10
Agricultural sciences and natural resources	454	293	255	166	25	59	5	38	0
Agricultural, animal, plant, and veterinary sciences	335	222	191	124	17	47	3	31	0
Natural resources and conservation	119	71	64	42	8	12	2	7	0
Biological and biomedical sciences	2,352	1,692	1,521	1,001	54	412	54	170	1
Biochemistry, biophysics, and molecular biology	426	306	281	186	7	81	7	24	1
Bioinformatics, biostatistics, and computational biology	301	225	209	78	11	100	20	16	0
Biological and biomedical sciences, general	216	131	118	D	D	29	5	13	0
Cell/ cellular biology and anatomy	182	128	119	D	D	33	1	9	0
Ecology, evolutionary biology, and epidemiology	214	152	120	88	7	19	6	32	0
Genetics and genomics	100	77	D	40	D	20	3	D	0
Microbiology and immunology	214	159	144	107	D	D	4	15	0
Neurobiology and neurosciences	218	158	142	105	D	D	3	16	0
Pharmacology and toxicology	93	72	D	39	D	25	2	D	0
Physiology, oncology, and cancer biology	198	147	136	106	6	22	2	11	0
Biological and biomedical sciences, other	190	137	118	90	5	22	1	19	0
Computer and information sciences	1,337	999	882	181	124	551	26	115	2
Computer science	962	727	646	130	74	425	17	81	0
Computer and information sciences, other	375	272	236	51	50	126	9	34	2
Engineering	5,646	3,966	3,529	1,190	188	2,055	96	435	2
Aerospace, aeronautical, astronautical, and space engineering	226	165	D	58	D	74	5	D	0
Biological, biomedical, and biosystems engineering	392	276	258	138	8	103	9	18	0

TABLE 6-3

Temporary visa holder research doctorate recipients with definite postgraduation commitments, by major field of doctorate: 2023

(Number)

Field of doctorate	Temporary visa holder 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		
Chemical and petroleum engineering	594	433	378	130	5	234	9	55	0
Civil, environmental, and transportation engineering	769	518	447	204	30	193	20	71	0
Electrical and computer engineering	1,423	1,048	928	181	47	673	27	119	1
Engineering technologies	272	190	D	D	8	99	0	D	0
Industrial engineering and operations research	363	246	D	D	34	128	6	D	1
Materials and mining engineering	447	319	288	D	D	177	1	31	0
Mechanical engineering	840	572	520	190	27	291	12	52	0
Engineering, other	320	199	D	79	D	83	7	D	0
Geosciences, atmospheric, and ocean sciences	389	283	235	174	14	37	10	47	1
Geological and earth sciences	235	168	136	88	D	D	5	31	1
Ocean, marine, and atmospheric sciences	154	115	99	86	D	D	5	16	0
Health sciences	623	446	325	172	39	98	16	121	0
Nursing and nursing science	79	60	D	15	D	D	3	D	0
Pharmacy and pharmaceutical sciences	211	152	127	54	D	D	6	25	0
Public health	165	119	88	57	10	17	4	31	0
Health sciences, other	168	115	D	46	23	D	3	D	0
Mathematics and statistics	1,049	777	645	260	65	301	19	131	1
Applied mathematics	239	184	163	82	10	68	3	21	0
Mathematics	351	230	160	107	21	31	1	70	0
Statistics	459	363	322	71	34	202	15	40	1
Multidisciplinary/interdisciplinary sciences	813	629	557	171	74	294	18	72	0
Interdisciplinary computer sciences	332	258	D	54	32	141	D	D	0
Multidisciplinary/interdisciplinary sciences, other	481	371	D	117	42	153	D	D	0
Physical sciences	2,093	1,495	1,289	648	36	590	15	206	0
Astronomy and astrophysics	98	74	D	40	D	10	1	D	0
Chemistry	928	646	572	260	14	289	9	74	0
Materials sciences	191	138	D	50	D	71	3	D	0
Physics	876	637	537	298	17	220	2	100	0
Psychology	335	227	186	109	47	21	9	41	0
Clinical psychology	41	32	D	28	0	0	D	D	0

TABLE 6-3

Temporary visa holder research doctorate recipients with definite postgraduation commitments, by major field of doctorate: 2023

(Number)

Field of doctorate	Temporary visa holder 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		
Counseling and applied psychology	121	78	59	26	D	D	4	19	0
Research and experimental psychology	126	84	D	35	18	D	D	D	0
Psychology, other	47	33	D	20	D	D	1	D	0
Social sciences	1,716	1,267	810	286	270	180	74	454	3
Anthropology	66	46	24	15	9	0	0	22	0
Area, ethnic, cultural, gender, and group studies	108	61	43	D	18	D	2	18	0
Economics	841	671	426	D	128	D	50	243	2
Political science and government	196	144	97	51	36	8	2	47	0
Public policy analysis	77	51	36	D	11	D	6	14	1
Sociology, demography, and population studies	113	85	53	22	21	6	4	32	0
Social sciences, other	315	209	131	59	47	15	10	78	0
Non-science and engineering	2,586	1,702	1,175	287	716	110	62	523	4
Business	742	604	445	46	333	55	11	157	2
Business administration and management	208	144	D	D	68	17	2	D	1
Business, other	534	460	D	D	265	38	9	D	1
Education	461	272	173	53	91	12	17	99	0
Education leadership and administration	78	39	19	D	8	D	0	20	0
Education research	188	114	D	21	D	D	7	D	0
Teacher education and teaching fields	159	102	D	17	36	D	8	D	0
Education, other	36	17	10	D	D	0	2	7	0
Humanities	621	374	236	99	119	9	9	137	1
English language and literature, letters	124	70	45	D	24	D	0	25	0
Foreign languages, literatures, and linguistics	205	120	91	D	55	D	5	29	0
History	120	74	44	D	14	D	1	29	1
Philosophy and religious studies	107	68	35	D	14	D	2	33	0
Humanities, other	65	42	21	D	12	D	1	21	0
Visual and performing arts	185	84	55	10	35	5	5	29	0
Performing arts	96	42	32	D	23	D	2	10	0
Visual arts, media studies, and design	89	42	23	D	12	D	3	19	0
Other non-science and engineering	577	368	266	79	138	29	20	101	1
Communications and journalism	152	107	85	D	56	D	5	22	0

TABLE 6-3

Temporary visa holder research doctorate recipients with definite postgraduation commitments, by major field of doctorate: 2023

(Number)

Field of doctorate	Temporary visa holder 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		
Multidisciplinary/interdisciplinary studies	72	40	30	D	18	D	2	10	0
Public administration and social services	99	75	D	22	18	D	4	D	0
Non-science and engineering, other	254	146	D	D	46	18	9	D	1

D = suppressed to avoid disclosure of confidential information.

^a Industry employment includes doctorate recipients reporting self-employment.^b Other 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 about the 2021 taxonomy change, see the "Technical Notes."

Source(s):

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