

Table 6-2. U.S. citizen and permanent resident research doctorate recipients with definite postgraduation commitments, by major field of doctorate: 2024

(Number)

Field of doctorate	U.S. citizen and permanent resident 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		
U.S. citizens and permanent residents reporting postgraduation plans	36,062	23,478	22,813	8,237	6,202	4,691	3,683	662	3
Science and engineering	27,609	17,856	17,321	7,583	3,331	4,156	2,251	533	2
Agricultural sciences and natural resources	741	478	472	156	124	101	91	6	0
Agricultural, animal, plant, and veterinary sciences	452	284	D	D	86	84	28	D	0
Natural resources and conservation	289	194	D	D	38	17	63	D	0
Biological and biomedical sciences	7,094	4,128	4,010	2,527	488	714	281	117	1
Biochemistry, biophysics, and molecular biology	1,020	568	D	D	48	144	19	D	0
Bioinformatics, biostatistics, and computational biology	383	221	214	69	38	82	25	7	0
Biological and biomedical sciences, general	594	300	D	D	43	44	20	D	0
Cell/ cellular biology and anatomy	555	293	288	173	43	65	7	5	0
Ecology, evolutionary biology, and epidemiology	934	661	627	390	95	49	93	34	0
Genetics and genomics	356	190	182	D	D	28	12	8	0
Microbiology and immunology	870	475	469	D	D	69	24	5	1
Neurobiology and neurosciences	978	591	577	407	45	98	27	14	0
Pharmacology and toxicology	285	159	D	90	D	48	8	D	0
Physiology, oncology, and cancer biology	625	361	353	227	57	50	19	8	0
Biological and biomedical sciences, other	494	309	301	D	D	37	27	8	0
Computer and information sciences	964	641	622	147	154	260	61	19	0
Computer science	655	446	435	110	100	191	34	11	0
Computer and information sciences, other	309	195	187	37	54	69	27	8	0
Engineering	4,657	2,976	2,914	871	333	1,330	380	62	0
Aerospace, aeronautical, astronautical, and space engineering	329	242	D	D	41	86	62	D	0
Biological, biomedical, and biosystems engineering	868	425	416	201	47	143	25	9	0
Chemical and petroleum engineering	613	371	362	121	21	203	17	9	0
Civil, environmental, and transportation engineering	441	321	315	100	35	115	65	6	0
Electrical and computer engineering	600	428	416	74	49	248	45	12	0
Engineering technologies	145	101	D	D	14	58	13	D	0
Industrial engineering and operations research	208	147	D	D	29	61	32	D	0
Materials and mining engineering	419	271	D	D	15	128	38	D	0
Mechanical engineering	687	436	427	132	51	197	47	9	0
Engineering, other	347	234	D	D	31	91	36	D	0
Geosciences, atmospheric, and ocean sciences	814	592	560	313	76	75	96	32	0
Geological and earth sciences	445	333	311	161	41	48	61	22	0
Ocean, marine, and atmospheric sciences	369	259	249	152	35	27	35	10	0
Health sciences	2,068	1,365	1,350	405	479	249	217	15	0
Nursing and nursing science	474	333	333	D	D	38	58	0	0

Table 6-2. U.S. citizen and permanent resident research doctorate recipients with definite postgraduation commitments, by major field of doctorate: 2024

(Number)

Field of doctorate	U.S. citizen and permanent resident 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		
Pharmacy and pharmaceutical sciences	230	139	D	60	D	58	13	D	0
Public health	607	408	D	D	100	50	93	D	0
Health sciences, other	757	485	478	123	199	103	53	7	0
Mathematics and statistics	924	586	539	205	172	112	50	47	0
Applied mathematics	213	143	136	59	29	37	11	7	0
Mathematics	514	313	280	117	103	41	19	33	0
Statistics	197	130	123	29	40	34	20	7	0
Multidisciplinary/ interdisciplinary sciences	817	554	535	168	121	176	70	19	0
Interdisciplinary computer sciences	218	155	D	D	25	76	17	D	0
Multidisciplinary/ interdisciplinary sciences, other	599	399	D	D	96	100	53	D	0
Physical sciences	3,089	1,890	1,793	886	186	583	138	96	1
Astronomy and astrophysics	225	169	D	111	D	11	16	D	0
Chemistry	1,635	957	924	395	110	357	62	32	1
Materials sciences	183	118	D	53	D	49	4	D	0
Physics	1,046	646	600	327	51	166	56	46	0
Psychology	3,344	2,479	2,453	1,379	401	308	365	26	0
Clinical psychology	1,035	860	D	724	D	32	66	D	0
Counseling and applied psychology	1,272	977	970	422	D	D	187	7	0
Research and experimental psychology	668	425	415	171	114	68	62	10	0
Psychology, other	369	217	D	62	64	D	50	D	0
Social sciences	3,097	2,167	2,073	526	797	248	502	94	0
Anthropology	301	187	D	D	64	11	31	D	0
Area, ethnic, cultural, gender, and group studies	316	197	190	D	93	D	33	7	0
Economics	470	365	353	62	122	72	97	12	0
Political science and government	433	311	292	75	129	30	58	19	0
Public policy analysis	336	237	D	40	65	D	105	D	0
Sociology, demography, and population studies	481	358	344	D	150	D	54	14	0
Social sciences, other	760	512	485	114	174	73	124	27	0
Non-science and engineering	8,453	5,622	5,492	654	2,871	535	1,432	129	1
Business	641	450	434	D	278	D	53	16	0
Business administration and management	220	143	D	D	59	43	30	D	0
Business, other	421	307	D	16	219	D	23	D	0
Education	3,218	2,288	2,258	139	1,132	169	818	30	0
Education leadership and administration	1,049	808	D	D	406	D	317	D	0
Education research	963	653	641	38	320	77	206	12	0
Teacher education and teaching fields	858	604	596	D	316	D	210	8	0

Table 6-2. U.S. citizen and permanent resident research doctorate recipients with definite postgraduation commitments, by major field of doctorate: 2024

(Number)

Field of doctorate	U.S. citizen and permanent resident 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		
Education, other	348	223	D	28	90	D	85	D	0
Humanities	2,450	1,510	1,462	305	771	108	278	47	1
English language and literature, letters	837	509	504	81	330	D	D	5	0
Foreign languages, literatures, and linguistics	296	170	163	39	81	D	D	7	0
History	586	364	343	93	157	19	74	20	1
Philosophy and religious studies	457	295	285	79	142	D	D	10	0
Humanities, other	274	172	167	13	61	D	D	5	0
Visual and performing arts	651	371	354	D	185	D	79	17	0
Performing arts	384	201	195	D	102	D	45	6	0
Visual arts, media studies, and design	267	170	159	D	83	D	34	11	0
Other non-science and engineering	1,493	1,003	984	145	505	130	204	19	0
Communication and journalism	431	300	D	D	185	D	24	D	0
Multidisciplinary/ interdisciplinary studies	281	176	169	D	78	D	45	7	0
Public administration and social services	395	271	D	32	122	D	82	D	0
Non-science and engineering, other	386	256	251	40	120	38	53	5	0

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.