

TABLE 51. Definite postgraduation commitments of doctorate recipients, by citizenship status and major field of study: 2013

Citizenship status and major field of study	All recipients	Recipients with definite commitments	Location of definite commitments						
			United States				Abroad	Unknown	
			Total	Postdoctoral study	Academic employment	Industry employment ^a			Other ^b
All doctorate recipients ^c	52,760	27,666	24,643	9,635	7,540	4,513	2,955	2,989	34
Life sciences	12,305	6,219	5,661	3,674	912	577	498	550	8
Agricultural sciences and natural resources	1,329	688	579	288	112	99	80	109	0
Biological, biomedical sciences	8,471	4,218	3,869	3,001	342	342	184	344	5
Health sciences	2,505	1,313	1,213	385	458	136	234	97	3
Physical sciences	9,290	5,348	4,675	2,380	703	1,363	229	670	3
Chemistry	2,491	1,351	1,231	798	97	295	41	120	0
Computer and information sciences	1,897	1,124	1,034	235	186	548	65	88	2
Geosciences	880	526	457	294	63	63	37	69	0
Mathematics	1,817	1,085	902	372	276	211	43	182	1
Physics and astronomy	2,205	1,262	1,051	681	81	246	43	211	0
Social sciences	8,401	4,771	4,147	1,557	1,561	391	638	620	4
Anthropology	552	235	195	70	87	15	23	40	0
Economics	1,185	791	548	59	283	95	111	243	0
Political science	803	441	366	81	230	20	35	74	1
Psychology	3,600	2,088	1,981	1,114	392	190	285	104	3
Sociology	636	368	328	82	200	12	34	40	0
Other social sciences	1,625	848	729	151	369	59	150	119	0
Engineering	8,963	4,485	3,959	1,391	351	1,882	335	520	6
Aerospace, aeronautical, and astronautical engineering	349	202	186	50	14	71	51	15	1
Chemical engineering	829	439	383	150	14	207	12	55	1
Civil engineering	543	244	198	66	42	66	24	46	0
Electrical, electronics, and communication engineering	1,900	957	858	201	57	534	66	98	1
Industrial and manufacturing engineering	240	122	103	21	24	49	9	19	0
Materials science engineering	815	401	349	160	28	148	13	52	0
Mechanical engineering	1,282	659	575	218	46	266	45	82	2
Other engineering	3,005	1,461	1,307	525	126	541	115	153	1
Education	4,944	2,637	2,507	194	1,356	105	852	124	6
Education administration	967	562	547	9	211	15	312	14	1
Education research	2,704	1,385	1,303	140	717	75	371	78	4
Teacher education	111	D	D	D	32	D	19	D	0
Teaching fields	895	497	473	35	321	7	110	23	1
Other education	267	D	D	D	75	D	40	D	0
Humanities	5,662	2,462	2,216	319	1,570	85	242	243	3
Foreign languages and literature	701	315	277	23	235	D	D	37	1
History	1,149	525	468	86	308	18	56	56	1
Letters	1,604	715	671	84	521	D	D	43	1
Other humanities	2,208	907	800	126	506	48	120	107	0

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Citizenship status and major field of study	All recipients	Recipients with definite commitments	Location of definite commitments						
			United States					Abroad	Unknown
			Total	Postdoctoral study	Academic employment	Industry employment ^a	Other ^b		
Other ^d	3,195	1,744	1,478	120	1,087	110	161	262	4
Business management and administration	1,545	933	765	37	612	72	44	166	2
Communication	649	333	306	31	240	11	24	27	0
Non-S&E fields not elsewhere classified	1,001	478	407	52	235	27	93	69	2
U.S. citizen or permanent resident	33,942	19,130	18,314	6,560	6,411	2,569	2,774	801	15
Life sciences	8,438	4,497	4,328	2,599	824	435	470	166	3
Agricultural sciences and natural resources	738	412	396	159	93	68	76	16	0
Biological, biomedical sciences	5,851	3,015	2,883	2,148	298	270	167	130	2
Health sciences	1,849	1,070	1,049	292	433	97	227	20	1
Physical sciences	4,869	2,987	2,780	1,381	514	686	199	206	1
Chemistry	1,447	862	819	481	80	219	39	43	0
Computer and information sciences	782	504	486	103	127	204	52	17	1
Geosciences	569	351	324	193	D	38	D	27	0
Mathematics	871	544	502	192	179	93	38	42	0
Physics and astronomy	1,200	726	649	412	D	132	D	77	0
Social sciences	6,300	3,826	3,663	1,423	1,324	336	580	161	2
Anthropology	456	197	178	60	81	15	22	19	0
Economics	504	376	337	32	174	58	73	39	0
Political science	593	352	327	72	202	20	33	25	0
Psychology	3,070	1,930	1,890	1,065	361	183	281	38	2
Sociology	515	320	306	75	186	12	33	14	0
Other social sciences	1,162	651	625	119	320	48	138	26	0
Engineering	3,738	2,100	2,015	633	226	850	306	83	2
Aerospace, aeronautical, and astronautical engineering	195	129	D	24	D	39	51	D	0
Chemical engineering	364	216	199	65	9	114	11	16	1
Civil engineering	182	106	D	25	D	23	23	D	0
Electrical, electronics, and communication engineering	603	348	340	70	36	178	56	7	1
Industrial and manufacturing engineering	77	42	42	8	15	14	5	0	0
Materials science engineering	350	190	178	70	17	80	11	12	0
Mechanical engineering	546	312	295	92	29	133	41	17	0
Other engineering	1,421	757	734	279	78	269	108	23	0
Education	4,120	2,425	2,388	169	1,286	96	837	34	3
Education administration	843	546	D	9	D	D	310	D	1
Education research	2,217	1,246	1,223	D	671	D	362	22	1
Teacher education	92	53	D	D	D	D	19	D	0
Teaching fields	741	453	446	29	303	7	107	6	1
Other education	227	127	D	5	D	D	39	D	0
Humanities	4,520	2,095	1,994	271	1,407	D	D	100	1
Foreign languages and literature	466	223	210	D	173	D	16	13	0

TABLE 51. Definite postgraduation commitments of doctorate recipients, by citizenship status and major field of study: 2013

Citizenship status and major field of study	All recipients	Recipients with definite commitments	Location of definite commitments						
			United States				Abroad	Unknown	
			Total	Postdoctoral study	Academic employment	Industry employment ^a			Other ^b
History	945	452	428	D	283	D	56	24	0
Letters	1,349	645	623	D	481	17	D	21	1
Other humanities	1,760	775	733	D	470	D	115	42	0
Other ^d	1,957	1,200	1,146	84	830	D	D	51	3
Business management and administration	829	557	520	20	415	50	35	35	2
Communication	470	265	257	D	204	11	D	8	0
Non-S&E fields not elsewhere classified	658	378	369	D	211	D	93	8	1
Temporary visa holder	15,678	8,438	6,249	3,056	1,110	1,921	162	2,173	16
Life sciences	3,169	1,709	1,322	1,070	87	140	25	382	5
Agricultural sciences and natural resources	516	273	180	127	18	31	4	93	0
Biological, biomedical sciences	2,171	1,193	978	850	44	70	14	212	3
Health sciences	482	243	164	93	25	39	7	77	2
Physical sciences	3,913	2,339	1,877	994	189	670	24	461	1
Chemistry	891	486	410	316	17	75	2	76	0
Computer and information sciences	1,016	610	539	130	59	341	9	71	0
Geosciences	274	174	132	101	D	25	D	42	0
Mathematics	843	537	398	179	97	117	5	138	1
Physics and astronomy	889	532	398	268	D	112	D	134	0
Social sciences	1,623	934	477	133	233	55	56	456	1
Anthropology	77	37	17	10	6	0	1	20	0
Economics	617	411	208	27	107	37	37	203	0
Political science	163	87	38	9	28	0	1	49	0
Psychology	282	156	89	48	30	7	4	66	1
Sociology	93	48	22	7	14	0	1	26	0
Other social sciences	391	195	103	32	48	11	12	92	0
Engineering	4,731	2,363	1,923	751	124	1,020	28	436	4
Aerospace, aeronautical, and astronautical engineering	136	72	D	26	D	31	0	D	1
Chemical engineering	414	221	182	85	5	91	1	39	0
Civil engineering	334	138	D	41	D	43	1	D	0
Electrical, electronics, and communication engineering	1,161	604	513	131	21	351	10	91	0
Industrial and manufacturing engineering	155	80	61	13	9	35	4	19	0
Materials science engineering	434	209	169	90	11	66	2	40	0
Mechanical engineering	667	347	280	126	17	133	4	65	2
Other engineering	1,430	692	562	239	47	270	6	129	1
Education	514	206	113	25	66	9	13	90	3
Education administration	44	15	D	0	D	D	1	D	0
Education research	316	136	77	D	44	D	8	56	3
Teacher education	17	D	D	D	D	0	0	D	0
Teaching fields	117	42	25	6	16	0	3	17	0

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Citizenship status and major field of study	All recipients	Recipients with definite commitments	Location of definite commitments						
			United States				Abroad	Unknown	
			Total	Postdoctoral study	Academic employment	Industry employment ^a			Other ^b
Other education	20	D	D	0	D	0	1	D	0
Humanities	752	360	218	48	159	D	D	141	1
Foreign languages and literature	179	92	67	D	62	0	D	24	1
History	133	69	39	D	24	D	0	30	0
Letters	149	69	47	D	39	D	0	22	0
Other humanities	291	130	65	D	34	D	5	65	0
Other ^d	976	527	319	35	252	D	D	207	1
Business management and administration	601	367	237	16	194	21	6	130	0
Communication	135	65	46	D	35	0	D	19	0
Non-S&E fields not elsewhere classified	240	95	36	D	23	D	0	58	1

D = suppressed to avoid disclosure of confidential information.

S&E = science and engineering.

^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.

^c Includes respondents who did not report citizenship status.

^d Non-science and engineering fields not shown separately.

NOTES: See table A-6 in the technical notes for a listing of major fields and their constituent subfields. Definite postgraduate commitment includes doctorate recipients reporting definite postgraduation commitments for employment or postdoctoral study.

SOURCE: NSF, NIH, USED, USDA, NEH, NASA, Survey of Earned Doctorates, 2013.