

TABLE 13. Definite postgraduation commitments of U.S. citizen and permanent resident doctorate recipients, by sex and major field: 2007

Sex and field	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 fields	29,438	20,084	19,407	6,108	7,184	2,385	3,730	666	11
Science and engineering	17,261	11,830	11,339	5,376	2,566	1,951	1,446	486	5
Science	14,727	10,094	9,663	4,895	2,348	1,227	1,193	427	4
Agricultural sciences	625	423	411	159	99	64	89	12	0
Biological sciences	4,787	3,032	2,932	2,241	281	236	174	99	1
Computer sciences	640	473	457	66	149	193	49	16	0
Earth, atmospheric, and ocean sciences	552	425	390	207	77	53	53	35	0
Mathematics	605	463	431	176	175	52	28	32	0
Physical sciences	2,025	1,466	1,375	832	141	302	100	91	0
Chemistry	1,187	861	830	467	88	219	56	31	0
Physics and astronomy	838	605	545	365	53	83	44	60	0
Psychology	2,792	1,945	1,907	939	416	193	359	37	1
Social sciences	2,701	1,867	1,760	275	1,010	134	341	105	2
Engineering	2,534	1,736	1,676	481	218	724	253	59	1
Aerospace, aeronautical, and astronautical engineering	116	78	D	13	8	29	D	D	0
Chemical engineering	307	220	211	69	5	128	9	9	0
Civil engineering	220	168	162	34	41	57	30	6	0
Electrical, electronics, and communications engineering	489	335	327	65	47	167	48	8	0
Industrial and manufacturing engineering	74	52	D	7	18	18	D	D	0
Materials science engineering	251	164	154	59	6	72	17	10	0
Mechanical engineering	329	230	D	66	31	98	D	D	1
Other engineering	748	489	471	168	62	155	86	18	0
Non-science and engineering	12,177	8,254	8,068	732	4,618	434	2,284	180	6
Male, all fields	14,211	9,864	9,473	3,165	3,177	1,522	1,609	386	5
Science and engineering	9,448	6,631	6,330	2,891	1,325	1,340	774	298	3
Science	7,514	5,286	5,026	2,526	1,168	761	571	258	2
Agricultural sciences	368	254	D	86	64	44	D	D	0
Biological sciences	2,395	1,560	1,508	1,178	129	120	81	52	0
Computer sciences	510	388	D	50	117	166	D	D	0
Earth, atmospheric, and ocean sciences	315	249	231	115	46	37	33	18	0
Mathematics	427	324	298	131	113	35	19	26	0
Physical sciences	1,414	1,025	954	584	79	223	68	71	0
Chemistry	746	544	521	289	44	150	38	23	0
Physics and astronomy	668	481	433	295	35	73	30	48	0
Psychology	801	575	560	256	134	64	106	15	0
Social sciences	1,284	911	853	126	486	72	169	56	2
Engineering	1,934	1,345	1,304	365	157	579	203	40	1
Aerospace, aeronautical, and astronautical engineering	100	67	D	D	D	D	23	D	0
Chemical engineering	229	167	D	50	D	101	D	D	0

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Civil engineering	173	132	D	27	28	46	D	D	0
Electrical, electronics, and communications engineering	411	290	D	59	D	139	43	D	0
Industrial and manufacturing engineering	46	35	D	D	12	D	D	D	0
Materials science engineering	182	121	D	51	D	51	12	D	0
Mechanical engineering	285	201	D	57	D	88	D	D	1
Other engineering	508	332	321	109	40	112	60	11	0
Non-science and engineering	4,763	3,233	3,143	274	1,852	182	835	88	2
Female, all fields	15,226	10,220	9,934	2,943	4,007	863	2,121	280	6
Science and engineering	7,812	5,199	5,009	2,485	1,241	611	672	188	2
Science	7,212	4,808	4,637	2,369	1,180	466	622	169	2
Agricultural sciences	257	169	D	73	35	20	D	D	0
Biological sciences	2,392	1,472	1,424	1,063	152	116	93	47	1
Computer sciences	130	85	D	16	32	27	D	D	0
Earth, atmospheric, and ocean sciences	237	176	159	92	31	16	20	17	0
Mathematics	178	139	133	45	62	17	9	6	0
Physical sciences	610	441	421	248	62	79	32	20	0
Chemistry	441	317	309	178	44	69	18	8	0
Physics and astronomy	169	124	112	70	18	10	14	12	0
Psychology	1,991	1,370	1,347	683	282	129	253	22	1
Social sciences	1,417	956	907	149	524	62	172	49	0
Engineering	600	391	372	116	61	145	50	19	0
Aerospace, aeronautical, and astronautical engineering	16	11	D	D	D	D	D	D	0
Chemical engineering	78	53	D	19	D	27	D	D	0
Civil engineering	47	36	D	7	13	11	D	D	0
Electrical, electronics, and communications engineering	78	45	D	6	D	28	5	D	0
Industrial and manufacturing engineering	28	17	17	D	6	D	D	D	0
Materials science engineering	69	43	D	8	D	21	5	D	0
Mechanical engineering	44	29	29	9	D	10	D	D	0
Other engineering	240	157	150	59	22	43	26	7	0
Non-science and engineering	7,414	5,021	4,925	458	2,766	252	1,449	92	4

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/secondary school, or other employment, and those with unknown employment.

NOTES: Data exclude non-U.S. citizens with temporary visas and those of unknown citizenship. Categories are grouped according to National Science Foundation taxonomy, which is different from the classification listed in questionnaire and summary reports. That is, the following categories are included in social sciences and not in humanities: American/U.S. studies; history, science and technology, and society; and archaeology. In addition, public administration is included in social sciences and not in professional fields, agricultural economics is included in social sciences and not in biological sciences, and agricultural business and management is included in business management/administration and not in agricultural sciences.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Earned Doctorates, 2007, including updates received in 2008.