

TABLE 13. Definite postgraduation commitments of U.S. citizen and permanent resident doctorate recipients, by sex, major field, and location: 2009

Sex and field	Location of definite commitments								
	All recipients	Recipients with definite commitments	United States					Abroad	Unknown
			Total	Postdoctoral study	Academic employment	Industry employment <sup>a</sup>	Other <sup>b</sup>		
All fields	32,319	21,846	20,964	6,813	7,415	2,531	4,205	873	9
Science and engineering	19,715	13,297	12,612	6,028	2,764	2,114	1,706	680	5
Science	16,550	11,202	10,616	5,420	2,532	1,277	1,387	583	3
Agricultural sciences	670	439	420	157	103	62	98	19	0
Biological sciences	5,525	3,478	3,308	2,523	286	230	269	169	1
Computer sciences	734	535	503	105	142	205	51	32	0
Earth, atmospheric, and ocean sciences	559	419	388	219	64	62	43	31	0
Mathematics	772	553	513	197	204	49	63	40	0
Physical sciences	2,355	1,625	1,493	889	166	307	131	132	0
Chemistry	1,391	950	902	501	101	225	75	48	0
Physics and astronomy	964	675	591	388	65	82	56	84	0
Psychology	2,907	2,035	1,999	1,003	451	191	354	35	1
Social sciences	3,028	2,118	1,992	327	1,116	171	378	125	1
Engineering	3,165	2,095	1,996	608	232	837	319	97	2
Aerospace, aeronautical, and astronautical engineering	160	111	D	26	13	41	D	D	0
Chemical engineering	410	294	284	101	12	153	18	10	0
Civil engineering	262	188	D	40	35	65	D	D	0
Electrical, electronics, and communications engineering	578	383	366	78	44	180	64	17	0
Industrial and manufacturing engineering	70	43	D	8	9	14	D	D	0
Materials science engineering	254	148	134	53	6	50	25	14	0
Mechanical engineering	421	285	273	83	43	110	37	11	1
Other engineering	1,010	643	606	219	70	224	93	36	1
Non-science and engineering	12,604	8,549	8,352	785	4,651	417	2,499	193	4
Male, all fields	15,504	10,648	10,117	3,359	3,247	1,646	1,865	525	6
Science and engineering	10,603	7,250	6,824	3,071	1,372	1,459	922	422	4
Science	8,257	5,657	5,308	2,636	1,198	797	677	347	2
Agricultural sciences	358	246	236	86	56	40	54	10	0
Biological sciences	2,569	1,632	1,556	1,193	115	122	126	75	1
Computer sciences	580	428	402	82	104	173	43	26	0
Earth, atmospheric, and ocean sciences	330	250	239	133	33	47	26	11	0
Mathematics	540	375	341	135	125	43	38	34	0
Physical sciences	1,604	1,118	1,018	622	86	222	88	100	0
Chemistry	848	598	559	322	44	152	41	39	0
Physics and astronomy	756	520	459	300	42	70	47	61	0
Psychology	817	568	550	247	140	57	106	18	0
Social sciences	1,459	1,040	966	138	539	93	196	73	1
Engineering	2,346	1,593	1,516	435	174	662	245	75	2
Aerospace, aeronautical, and astronautical engineering	138	98	D	D	13	36	26	D	0
Chemical engineering	294	214	D	72	D	110	D	D	0

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Civil engineering	193	140	D	25	28	52	D	D	0
Electrical, electronics, and communications engineering	483	328	D	64	D	158	55	D	0
Industrial and manufacturing engineering	44	27	D	D	D	9	6	D	0
Materials science engineering	170	104	95	37	D	37	D	9	0
Mechanical engineering	347	239	D	71	36	93	D	D	1
Other engineering	677	443	415	138	46	167	64	27	1
Non-science and engineering	4,901	3,398	3,293	288	1,875	187	943	103	2
Female, all fields	16,814	11,198	10,847	3,454	4,168	885	2,340	348	3
Science and engineering	9,111	6,047	5,788	2,957	1,392	655	784	258	1
Science	8,292	5,545	5,308	2,784	1,334	480	710	236	1
Agricultural sciences	312	193	184	71	47	22	44	9	0
Biological sciences	2,956	1,846	1,752	1,330	171	108	143	94	0
Computer sciences	154	107	101	23	38	32	8	6	0
Earth, atmospheric, and ocean sciences	229	169	149	86	31	15	17	20	0
Mathematics	231	178	172	62	79	6	25	6	0
Physical sciences	751	507	475	267	80	85	43	32	0
Chemistry	543	352	343	179	57	73	34	9	0
Physics and astronomy	208	155	132	88	23	12	9	23	0
Psychology	2,090	1,467	1,449	756	311	134	248	17	1
Social sciences	1,569	1,078	1,026	189	577	78	182	52	0
Engineering	819	502	480	173	58	175	74	22	0
Aerospace, aeronautical, and astronautical engineering	22	13	13	D	0	5	D	0	0
Chemical engineering	116	80	D	29	D	43	D	D	0
Civil engineering	69	48	D	15	7	13	D	D	0
Electrical, electronics, and communications engineering	95	55	D	14	D	22	9	D	0
Industrial and manufacturing engineering	26	16	D	D	D	5	D	D	0
Materials science engineering	84	44	39	16	D	13	D	5	0
Mechanical engineering	74	46	D	12	7	17	D	D	0
Other engineering	333	200	191	81	24	57	29	9	0
Non-science and engineering	7,703	5,151	5,059	497	2,776	230	1,556	90	2

D = suppressed to avoid disclosure of confidential information.

<sup>a</sup> Includes doctorate recipients who indicated self-employment.

<sup>b</sup> 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/National Center for Science and Engineering Statistics, Survey of Earned Doctorates, 2009.