

TABLE 11. Definite postgraduation commitments of doctorate recipients, by citizenship status and major field: 2007

Citizenship 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	48,112	29,781	26,991	9,565	8,707	4,609	4,110	2,752	38
Science and engineering	31,800	19,795	17,810	8,621	3,382	4,069	1,738	1,957	28
Science	24,056	15,289	13,758	7,361	3,013	2,011	1,373	1,510	21
Agricultural sciences	1,134	695	595	284	120	95	96	99	1
Biological sciences	7,179	4,352	4,079	3,276	315	293	195	270	3
Computer sciences	1,656	1,090	980	182	244	491	63	110	0
Earth, atmospheric, and ocean sciences	878	625	545	310	92	85	58	80	0
Mathematics	1,393	933	808	331	286	150	41	123	2
Physical sciences	4,102	2,646	2,353	1,576	174	484	119	285	8
Chemistry	2,325	1,492	1,373	869	102	334	68	114	5
Physics and astronomy	1,777	1,154	980	707	72	150	51	171	3
Psychology	3,292	2,094	2,013	992	447	201	373	79	2
Social sciences	4,422	2,854	2,385	410	1,335	212	428	464	5
Engineering	7,744	4,506	4,052	1,260	369	2,058	365	447	7
Aerospace, aeronautical, and astronautical engineering	267	147	126	36	10	53	27	21	0
Chemical engineering	807	499	457	165	10	262	20	42	0
Civil engineering	701	426	380	104	60	170	46	45	1
Electrical, electronics, and communications engineering	1,968	1,111	1,023	221	79	645	78	87	1
Industrial and manufacturing engineering	280	158	140	27	36	65	12	18	0
Materials science engineering	648	382	340	144	8	168	20	42	0
Mechanical engineering	1,072	629	564	192	54	269	49	62	3
Other engineering	2,001	1,154	1,022	371	112	426	113	130	2
Non-science and engineering	16,312	9,986	9,181	944	5,325	540	2,372	795	10
U.S. citizen or permanent resident	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	D	29	D	D	0
Chemical engineering	307	220	211	69	5	128	9	9	0

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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	D	72	D	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
Temporary visa holder	15,127	9,627	7,523	3,438	1,502	2,213	370	2,081	23
Science and engineering	12,333	7,917	6,430	3,229	810	2,107	284	1,466	21
Science	7,747	5,163	4,068	2,454	659	780	175	1,080	15
Agricultural sciences	433	270	183	125	21	31	6	87	0
Biological sciences	2,019	1,313	1,140	1,030	33	57	20	171	2
Computer sciences	898	611	517	115	94	295	13	94	0
Earth, atmospheric, and ocean sciences	284	199	154	103	15	31	5	45	0
Mathematics	695	467	375	155	109	98	13	90	2
Physical sciences	1,785	1,175	975	741	33	182	19	193	7
Chemistry	958	629	541	400	14	115	12	83	5
Physics and astronomy	827	546	434	341	19	67	7	110	2
Psychology	236	144	101	50	30	8	13	42	1
Social sciences	1,397	984	623	135	324	78	86	358	3
Engineering	4,586	2,754	2,362	775	151	1,327	109	386	6
Aerospace, aeronautical, and astronautical engineering	119	69	D	23	D	24	D	D	0
Chemical engineering	442	277	244	94	5	134	11	33	0
Civil engineering	436	257	217	70	19	112	16	39	1
Electrical, electronics, and communications engineering	1,298	774	694	156	32	478	28	79	1
Industrial and manufacturing engineering	171	106	D	20	18	47	D	D	0
Materials science engineering	362	217	185	85	D	95	D	32	0

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Mechanical engineering	673	397	D	125	23	170	D	D	2
Other engineering	1,085	657	545	202	50	267	26	110	2
Non-science and engineering	2,794	1,710	1,093	209	692	106	86	615	2

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: Persons of unknown citizenship are included in total but are not shown separately. 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.