

TABLE 19. Definite postgraduation commitments of U.S. citizen and permanent resident doctorate recipients, by sex, major field, and location: 2010

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	31,573	20,859	19,906	7,333	6,481	2,170	3,922	944	9
Science and engineering	19,983	13,265	12,554	6,467	2,487	1,754	1,846	704	7
Science	16,680	11,113	10,519	5,702	2,272	1,081	1,464	588	6
Agricultural sciences	580	367	353	152	79	42	80	14	0
Biological sciences	5,577	3,460	3,319	2,619	300	177	223	137	4
Computer sciences	786	559	534	149	116	193	76	25	0
Earth, atmospheric, and ocean sciences	572	421	377	219	38	61	59	44	0
Mathematics	839	572	528	231	174	64	59	44	0
Physical sciences	2,329	1,607	1,470	980	145	219	126	137	0
Chemistry	1,324	899	853	545	87	157	64	46	0
Physics and astronomy	1,005	708	617	435	58	62	62	91	0
Psychology	2,867	1,987	1,943	993	394	180	376	44	0
Social sciences	3,130	2,140	1,995	359	1,026	145	465	143	2
Engineering	3,303	2,152	2,035	765	215	673	382	116	1
Aerospace, aeronautical, and astronautical engineering	141	96	D	24	D	29	40	D	0
Chemical engineering	432	287	268	117	10	115	26	19	0
Civil engineering	232	151	D	39	D	29	44	D	0
Electrical, electronics, and communications engineering	625	422	400	114	49	173	64	22	0
Industrial and manufacturing engineering	62	43	D	5	D	10	9	D	0
Materials science engineering	313	206	194	102	6	58	28	11	1
Mechanical engineering	404	266	246	79	31	81	55	20	0
Other engineering	1,094	681	645	285	66	178	116	36	0
Non-science and engineering	11,590	7,594	7,352	866	3,994	416	2,076	240	2
Male, all fields	15,260	10,341	9,757	3,686	2,869	1,395	1,807	579	5
Science and engineering	10,826	7,416	6,965	3,394	1,307	1,223	1,041	446	5
Science	8,384	5,765	5,412	2,842	1,148	682	740	349	4
Agricultural sciences	291	190	185	75	39	26	45	5	0
Biological sciences	2,574	1,645	1,579	1,230	144	89	116	64	2
Computer sciences	608	442	422	109	83	173	57	20	0
Earth, atmospheric, and ocean sciences	323	251	229	126	27	40	36	22	0
Mathematics	589	400	365	172	108	43	42	35	0
Physical sciences	1,585	1,117	1,013	689	83	158	83	104	0
Chemistry	812	572	544	361	44	103	36	28	0
Physics and astronomy	773	545	469	328	39	55	47	76	0
Psychology	871	608	587	269	128	71	119	21	0
Social sciences	1,543	1,112	1,032	172	536	82	242	78	2
Engineering	2,442	1,651	1,553	552	159	541	301	97	1
Aerospace, aeronautical, and astronautical engineering	119	80	80	D	D	D	35	0	0
Chemical engineering	295	204	190	89	D	77	D	14	0

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Civil engineering	154	106	101	26	D	D	34	5	0
Electrical, electronics, and communications engineering	518	364	D	101	D	149	55	D	0
Industrial and manufacturing engineering	39	27	D	D	9	D	D	D	0
Materials science engineering	222	159	D	74	D	46	24	D	1
Mechanical engineering	341	227	D	61	D	72	48	D	0
Other engineering	754	484	454	179	48	144	83	30	0
Non-science and engineering	4,434	2,925	2,792	292	1,562	172	766	133	0
Female, all fields	16,313	10,518	10,149	3,647	3,612	775	2,115	365	4
Science and engineering	9,157	5,849	5,589	3,073	1,180	531	805	258	2
Science	8,296	5,348	5,107	2,860	1,124	399	724	239	2
Agricultural sciences	289	177	168	77	40	16	35	9	0
Biological sciences	3,003	1,815	1,740	1,389	156	88	107	73	2
Computer sciences	178	117	112	40	33	20	19	5	0
Earth, atmospheric, and ocean sciences	249	170	148	93	11	21	23	22	0
Mathematics	250	172	163	59	66	21	17	9	0
Physical sciences	744	490	457	291	62	61	43	33	0
Chemistry	512	327	309	184	43	54	28	18	0
Physics and astronomy	232	163	148	107	19	7	15	15	0
Psychology	1,996	1,379	1,356	724	266	109	257	23	0
Social sciences	1,587	1,028	963	187	490	63	223	65	0
Engineering	861	501	482	213	56	132	81	19	0
Aerospace, aeronautical, and astronautical engineering	22	16	D	D	D	D	5	D	0
Chemical engineering	137	83	78	28	D	38	D	5	0
Civil engineering	78	45	D	13	11	D	10	D	0
Electrical, electronics, and communications engineering	107	58	D	13	D	24	9	D	0
Industrial and manufacturing engineering	23	16	16	D	D	D	D	0	0
Materials science engineering	91	47	D	28	D	12	4	D	0
Mechanical engineering	63	39	D	18	D	9	7	D	0
Other engineering	340	197	191	106	18	34	33	6	0
Non-science and engineering	7,156	4,669	4,560	574	2,432	244	1,310	107	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: 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, 2010.