

TABLE 19. Definite postgraduation commitments of U.S. citizen and permanent resident doctorate recipients, by sex and major field: 2008

Sex and field	All recipients	Recipients with definite commitments	Location of definite commitments						
			United States					Abroad	Unknown
			Total	Postdoctoral study	Academic employment	Industry employment <sup>a</sup>	Other <sup>b</sup>		
All fields	30,791	20,556	19,792	6,090	7,151	2,379	4,172	752	12
Science and engineering	18,487	12,187	11,619	5,359	2,637	1,986	1,637	559	9
Science	15,539	10,243	9,756	4,876	2,359	1,201	1,320	481	6
Agricultural sciences	602	373	354	137	81	55	81	18	1
Biological sciences	5,135	3,108	2,978	2,235	301	244	198	128	2
Computer sciences	695	477	444	85	142	172	45	32	1
Earth, atmospheric, and ocean sciences	533	398	360	183	68	59	50	38	0
Mathematics	667	485	449	172	163	64	50	36	0
Physical sciences	2,132	1,473	1,365	812	132	289	132	108	0
Chemistry	1,227	827	785	435	73	209	68	42	0
Physics and astronomy	905	646	580	377	59	80	64	66	0
Psychology	2,886	1,957	1,923	935	421	175	392	34	0
Social sciences	2,889	1,972	1,883	317	1,051	143	372	87	2
Engineering	2,948	1,944	1,863	483	278	785	317	78	3
Aerospace, aeronautical, and astronautical engineering	121	93	93	D	D	37	24	D	0
Chemical engineering	396	285	270	90	14	142	24	15	0
Civil engineering	206	143	137	19	38	48	32	6	0
Electrical, electronics, and communications engineering	557	354	345	52	53	183	57	9	0
Industrial and manufacturing engineering	90	58	D	D	21	20	10	D	1
Materials science engineering	264	171	D	47	D	74	23	D	0
Mechanical engineering	368	251	241	52	41	95	53	10	0
Other engineering	946	589	562	201	81	186	94	25	2
Non-science and engineering	12,304	8,369	8,173	731	4,514	393	2,535	193	3
Male, all fields	14,746	9,974	9,543	3,110	3,096	1,515	1,822	425	6
Science and engineering	10,043	6,739	6,397	2,840	1,323	1,352	882	336	6
Science	7,848	5,270	4,983	2,495	1,126	730	632	283	4
Agricultural sciences	346	218	210	77	50	35	48	7	1
Biological sciences	2,513	1,517	1,454	1,126	116	131	81	62	1
Computer sciences	519	363	337	69	97	138	33	25	1
Earth, atmospheric, and ocean sciences	318	245	223	109	39	38	37	22	0
Mathematics	448	323	294	121	100	44	29	29	0
Physical sciences	1,514	1,084	999	602	90	210	97	85	0
Chemistry	790	554	522	295	42	142	43	32	0
Physics and astronomy	724	530	477	307	48	68	54	53	0
Psychology	828	570	559	256	126	60	117	11	0
Social sciences	1,362	950	907	135	508	74	190	42	1
Engineering	2,195	1,469	1,414	345	197	622	250	53	2
Aerospace, aeronautical, and astronautical engineering	108	83	83	D	11	31	D	D	0
Chemical engineering	272	196	186	61	D	97	D	10	0

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Civil engineering	149	106	100	D	24	38	D	6	0
Electrical, electronics, and communications engineering	464	297	D	D	39	159	50	D	0
Industrial and manufacturing engineering	55	37	D	D	13	11	9	D	0
Materials science engineering	197	130	124	37	10	58	19	6	0
Mechanical engineering	301	198	D	41	D	80	43	D	0
Other engineering	649	422	405	130	60	148	67	15	2
Non-science and engineering	4,703	3,235	3,146	270	1,773	163	940	89	0
Female, all fields	16,044	10,582	10,249	2,980	4,055	864	2,350	327	6
Science and engineering	8,444	5,448	5,222	2,519	1,314	634	755	223	3
Science	7,691	4,973	4,773	2,381	1,233	471	688	198	2
Agricultural sciences	256	155	144	60	31	20	33	11	0
Biological sciences	2,622	1,591	1,524	1,109	185	113	117	66	1
Computer sciences	176	114	107	16	45	34	12	7	0
Earth, atmospheric, and ocean sciences	215	153	137	74	29	21	13	16	0
Mathematics	219	162	155	51	63	20	21	7	0
Physical sciences	618	389	366	210	42	79	35	23	0
Chemistry	437	273	263	140	31	67	25	10	0
Physics and astronomy	181	116	103	70	11	12	10	13	0
Psychology	2,058	1,387	1,364	679	295	115	275	23	0
Social sciences	1,527	1,022	976	182	543	69	182	45	1
Engineering	753	475	449	138	81	163	67	25	1
Aerospace, aeronautical, and astronautical engineering	13	10	10	D	D	6	D	D	0
Chemical engineering	124	89	84	29	D	45	D	5	0
Civil engineering	57	37	37	D	14	10	D	D	0
Electrical, electronics, and communications engineering	93	57	D	D	14	24	7	D	0
Industrial and manufacturing engineering	35	21	D	D	8	9	1	D	1
Materials science engineering	67	41	D	10	D	16	4	D	0
Mechanical engineering	67	53	D	11	D	15	10	D	0
Other engineering	297	167	157	71	21	38	27	10	0
Non-science and engineering	7,600	5,134	5,027	461	2,741	230	1,595	104	3

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/Division of Science Resources Statistics, Survey of Earned Doctorates, 2008.