

TABLE 10. Doctoral degrees awarded, by field, citizenship, ethnicity, and race of recipients: 2002–12

Field	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
All fields <sup>a</sup>	40,033	40,766	42,123	43,384	45,624	48,133	48,778	49,553	48,032	48,908	51,008
Science and engineering	24,610	25,283	26,275	27,985	29,873	31,836	32,837	33,463	33,120	34,474	35,809
Science	19,527	20,002	20,499	21,558	22,687	24,087	24,973	25,820	25,572	26,489	27,382
Agricultural sciences	1,009	1,060	1,045	1,039	1,033	1,139	1,087	1,167	982	1,101	1,168
Biological sciences	5,695	5,696	5,942	6,367	6,652	7,238	7,797	8,025	8,046	8,140	8,440
Computer sciences	809	867	948	1,129	1,453	1,655	1,787	1,610	1,664	1,713	1,845
Earth, atmospheric, and ocean sciences	689	683	686	714	757	875	865	877	862	852	841
Mathematical sciences	919	993	1,076	1,205	1,325	1,388	1,400	1,553	1,590	1,606	1,702
Physical sciences	3,187	3,287	3,336	3,643	3,929	4,081	4,081	4,284	4,194	4,494	4,564
Astronomy	141	167	165	186	197	223	249	262	266	288	275
Chemistry	1,923	2,040	1,987	2,126	2,364	2,318	2,246	2,392	2,304	2,432	2,418
Physics	1,123	1,080	1,184	1,331	1,368	1,540	1,586	1,630	1,624	1,774	1,871
Psychology	3,206	3,277	3,327	3,322	3,260	3,276	3,358	3,472	3,422	3,578	3,614
Social sciences	4,013	4,139	4,139	4,139	4,278	4,435	4,598	4,832	4,812	5,005	5,208
Engineering	5,083	5,281	5,776	6,427	7,186	7,749	7,864	7,643	7,548	7,985	8,427
Aerospace, aeronautical, and astronautical engineering	209	200	201	219	238	267	266	297	252	261	307
Chemical engineering	607	568	638	774	799	817	873	807	822	823	840
Civil engineering	540	552	547	622	655	703	713	707	643	634	496
Electrical, electronics, and communications engineering	1,213	1,238	1,388	1,547	1,786	1,967	1,888	1,693	1,778	1,886	1,943
Industrial and manufacturing engineering	230	214	217	221	234	279	280	251	215	258	227
Materials science engineering	364	438	474	493	583	646	636	625	670	662	743
Mechanical engineering	771	752	754	892	1,045	1,071	1,082	1,095	983	1,084	1,221
Other engineering	1,149	1,319	1,557	1,659	1,846	1,999	2,126	2,168	2,185	2,377	2,650
Non-science and engineering	15,423	15,483	15,848	15,399	15,751	16,297	15,941	16,090	14,912	14,434	15,199
Education	6,508	6,651	6,635	6,227	6,123	6,448	6,561	6,528	5,288	4,670	4,802
Health	1,656	1,633	1,718	1,783	1,906	2,143	2,091	2,096	2,112	2,103	2,349
Humanities	5,050	5,019	5,013	4,950	5,124	4,872	4,503	4,661	4,750	4,945	5,254
Professional/other/unknown	2,209	2,180	2,482	2,439	2,598	2,834	2,786	2,805	2,762	2,716	2,794
U.S. citizens and permanent residents, all fields <sup>b</sup>	27,758	28,183	28,053	27,963	29,054	29,522	30,876	32,364	31,601	31,727	32,927
Science and engineering	15,571	15,773	15,787	16,052	16,872	17,331	18,559	19,754	20,001	20,623	21,321
Science	13,398	13,594	13,594	13,762	14,370	14,782	15,598	16,585	16,694	17,303	17,783
Agricultural sciences	493	565	568	560	589	629	604	673	578	662	636
Biological sciences	4,128	4,068	4,210	4,399	4,508	4,835	5,148	5,534	5,584	5,615	5,870
Computer sciences	424	447	448	468	589	640	698	734	786	819	817
Earth, atmospheric, and ocean sciences	432	452	438	444	474	553	537	560	573	555	538
Mathematical sciences	443	517	511	543	619	603	673	772	838	813	839
Physical sciences	1,926	1,955	1,861	1,900	2,007	2,019	2,142	2,359	2,324	2,537	2,573
Astronomy	106	130	115	121	125	135	175	174	190	198	191
Chemistry	1,230	1,268	1,186	1,213	1,276	1,192	1,233	1,393	1,323	1,407	1,382
Physics	590	557	560	566	606	692	734	792	811	932	1,000

TABLE 10. Doctoral degrees awarded, by field, citizenship, ethnicity, and race of recipients: 2002–12

Field	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Psychology	2,811	2,872	2,800	2,897	2,831	2,780	2,898	2,921	2,874	3,061	3,045
Social sciences	2,741	2,718	2,758	2,551	2,753	2,723	2,898	3,032	3,137	3,241	3,465
Engineering	2,173	2,179	2,193	2,290	2,502	2,549	2,961	3,169	3,307	3,320	3,538
Aerospace, aeronautical, and astronautical engineering	93	80	77	98	91	118	122	160	141	144	181
Chemical engineering	308	282	295	306	360	310	398	411	433	393	376
Civil engineering	207	203	178	192	195	221	207	262	231	216	160
Electrical, electronics, and communications engineering	457	416	433	480	478	493	558	579	627	617	611
Industrial and manufacturing engineering	81	71	77	75	69	73	90	70	62	100	75
Materials science engineering	166	181	198	177	216	250	266	254	313	278	350
Mechanical engineering	322	318	273	302	353	334	372	421	403	440	503
Other engineering	539	628	662	660	740	750	948	1,012	1,097	1,132	1,282
Non-science and engineering	12,187	12,410	12,266	11,911	12,182	12,191	12,317	12,610	11,600	11,104	11,606
Education	5,417	5,650	5,452	5,255	5,172	5,359	5,585	5,585	4,477	3,878	4,026
Health	1,202	1,224	1,266	1,291	1,373	1,492	1,498	1,566	1,572	1,536	1,696
Humanities	4,129	4,138	4,057	3,862	4,067	3,719	3,572	3,697	3,829	3,965	4,192
Professional/other/unknown	1,439	1,398	1,491	1,503	1,570	1,621	1,662	1,762	1,722	1,725	1,692
Hispanic or Latino, all fields	1,372	1,438	1,304	1,435	1,536	1,654	1,775	1,883	1,841	2,000	2,141
Science and engineering	725	749	721	806	890	932	1,088	1,103	1,152	1,329	1,390
Science	627	645	633	717	777	806	954	943	961	1,138	1,200
Agricultural sciences	21	26	16	18	29	25	24	28	29	47	40
Biological sciences	184	177	193	228	230	262	315	306	349	357	375
Computer sciences	14	11	13	12	8	18	20	20	23	25	28
Earth, atmospheric, and ocean sciences	14	15	11	18	21	20	17	25	26	23	27
Mathematical sciences	12	17	26	24	25	23	29	36	36	26	46
Physical sciences	63	72	63	74	79	94	100	106	103	138	133
Astronomy	4	3	6	3	3	8	5	5	7	11	8
Chemistry	38	46	44	55	64	57	72	77	62	90	69
Physics	21	23	13	16	12	29	23	24	34	37	56
Psychology	184	171	173	192	215	205	278	233	196	284	291
Social sciences	135	156	138	151	170	159	171	189	199	238	260
Engineering	98	104	88	89	113	126	134	160	191	191	190
Aerospace, aeronautical, and astronautical engineering	3	4	3	6	1	7	4	11	7	8	8
Chemical engineering	16	15	11	20	22	12	21	24	26	28	26
Civil engineering	6	11	17	10	12	18	11	16	18	18	12
Electrical, electronics, and communications engineering	28	15	14	13	16	26	25	23	33	35	32
Industrial and manufacturing engineering	6	4	3	2	6	5	7	6	8	11	5
Materials science engineering	5	11	6	10	12	8	8	9	20	11	18
Mechanical engineering	12	13	10	13	7	12	17	23	23	24	28
Other engineering	22	31	24	15	37	38	41	48	56	56	61
Non-science and engineering	647	689	583	629	646	722	687	780	689	671	751
Education	321	341	273	293	296	343	351	390	275	230	256

TABLE 10. Doctoral degrees awarded, by field, citizenship, ethnicity, and race of recipients: 2002–12

Field	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Health	33	45	46	43	47	66	61	51	67	66	78
Humanities	242	247	207	208	228	239	194	246	265	274	316
Professional/other/unknown	51	56	57	85	75	74	81	93	82	101	101
Not Hispanic or Latino, all fields											
American Indian or Alaska Native, all fields	150	144	131	140	118	143	122	146	123	136	102
Science and engineering	69	78	60	67	45	81	59	75	77	74	55
Science	63	66	54	58	41	74	52	63	71	67	49
Agricultural sciences	2	4	4	3	3	8	5	3	3	2	5
Biological sciences	12	12	14	12	6	14	20	19	15	14	15
Computer sciences	2	2	2	1	2	1	0	0	2	1	2
Earth, atmospheric, and ocean sciences	0	2	4	4	1	0	2	2	0	1	3
Mathematical sciences	3	2	0	0	0	2	0	3	3	3	0
Physical sciences	7	3	5	4	4	6	2	4	9	8	2
Astronomy	0	0	0	0	0	0	0	0	0	0	0
Chemistry	5	3	4	2	3	4	2	4	5	6	1
Physics	2	0	1	2	1	2	0	0	4	2	1
Psychology	15	23	12	15	13	24	13	12	20	16	7
Social sciences	22	18	13	19	12	19	10	20	19	22	15
Engineering	6	12	6	9	4	7	7	12	6	7	6
Aerospace, aeronautical, and astronautical engineering	0	0	0	1	0	1	1	1	0	0	0
Chemical engineering	1	1	1	0	0	0	1	3	0	1	1
Civil engineering	0	1	3	0	0	2	0	0	1	0	1
Electrical, electronics, and communications engineering	0	4	0	3	0	1	1	2	0	1	2
Industrial and manufacturing engineering	1	0	0	0	0	0	0	1	0	0	0
Materials science engineering	1	0	0	0	0	0	0	1	0	2	1
Mechanical engineering	1	1	0	4	3	0	1	2	2	1	1
Other engineering	2	5	2	1	1	3	3	2	3	2	0
Non-science and engineering	81	66	71	73	73	62	63	71	46	62	47
Education	46	41	47	42	36	37	40	46	22	32	29
Health	3	3	3	4	7	7	5	8	5	11	5
Humanities	20	15	13	21	21	12	12	11	13	13	9
Professional/other/unknown	12	7	8	6	9	6	6	6	6	6	4
Asian, all fields	2,123	2,060	2,061	2,186	2,421	2,344	2,562	2,707	2,838	2,867	2,980
Science and engineering	1,625	1,536	1,496	1,636	1,793	1,700	1,920	1,984	2,132	2,182	2,249
Science	1,214	1,189	1,142	1,231	1,349	1,301	1,424	1,465	1,572	1,622	1,694
Agricultural sciences	29	26	31	22	30	22	37	30	32	39	29
Biological sciences	563	533	490	537	546	566	603	629	666	659	743
Computer sciences	87	81	72	92	132	107	117	125	138	158	137
Earth, atmospheric, and ocean sciences	24	22	11	18	24	10	25	20	19	33	32
Mathematical sciences	28	53	54	67	70	70	62	84	94	84	73

TABLE 10. Doctoral degrees awarded, by field, citizenship, ethnicity, and race of recipients: 2002–12

Field	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Physical sciences	195	184	165	196	183	196	217	208	228	230	229
Astronomy	11	8	9	7	9	6	10	8	9	12	13
Chemistry	123	112	112	124	125	128	139	133	144	136	145
Physics	61	64	44	65	49	62	68	67	75	82	71
Psychology	120	120	153	132	175	150	148	151	171	178	192
Social sciences	168	170	166	167	189	180	215	218	224	241	259
Engineering	411	347	354	405	444	399	496	519	560	560	555
Aerospace, aeronautical, and astronautical engineering	11	7	9	9	16	8	16	15	13	14	16
Chemical engineering	64	43	55	43	58	40	50	56	59	50	53
Civil engineering	21	17	24	24	33	22	21	30	35	31	24
Electrical, electronics, and communications engineering	120	109	91	115	112	125	158	159	149	160	148
Industrial and manufacturing engineering	10	14	10	14	7	11	10	15	6	11	11
Materials science engineering	33	21	29	26	37	38	40	32	52	49	51
Mechanical engineering	63	50	43	46	53	43	36	48	49	48	40
Other engineering	89	86	93	128	128	112	165	164	197	197	212
Non-science and engineering	498	524	565	550	628	644	642	723	706	685	731
Education	139	154	155	154	178	184	211	220	200	186	182
Health	91	87	94	115	120	140	140	143	165	148	170
Humanities	171	184	206	186	208	193	165	198	177	185	198
Professional/other/unknown	97	99	110	95	122	127	126	162	164	166	181
Black or African American, all fields	1,761	1,822	1,992	1,800	1,819	1,975	2,023	2,234	2,003	1,940	2,079
Science and engineering	689	671	756	707	749	793	829	953	903	975	983
Science	604	592	661	607	646	701	718	818	764	843	832
Agricultural sciences	13	22	20	16	25	18	29	32	34	20	35
Biological sciences	126	110	150	157	148	187	193	246	217	250	243
Computer sciences	17	17	17	15	15	31	27	28	30	30	34
Earth, atmospheric, and ocean sciences	5	13	7	6	5	9	9	8	11	8	16
Mathematical sciences	14	16	10	23	20	19	30	25	22	24	23
Physical sciences	67	54	61	55	50	83	65	74	71	79	88
Astronomy	1	1	0	2	0	1	0	0	2	3	0
Chemistry	44	41	48	41	37	62	50	62	54	61	62
Physics	22	12	13	12	13	20	15	12	15	15	26
Psychology	170	169	207	166	179	162	165	181	168	185	160
Social sciences	192	191	189	169	204	192	200	224	211	247	233
Engineering	85	79	95	100	103	92	111	135	139	132	151
Aerospace, aeronautical, and astronautical engineering	2	1	1	2	1	0	2	3	2	5	9
Chemical engineering	9	8	9	13	13	14	16	13	13	14	8
Civil engineering	13	5	6	6	13	10	6	9	13	10	7
Electrical, electronics, and communications engineering	11	19	30	24	18	20	15	28	24	28	28
Industrial and manufacturing engineering	4	4	3	8	10	5	12	6	9	8	10
Materials science engineering	4	4	7	5	8	2	16	18	16	12	14

TABLE 10. Doctoral degrees awarded, by field, citizenship, ethnicity, and race of recipients: 2002–12

Field	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Mechanical engineering	16	9	15	11	13	11	18	20	13	16	17
Other engineering	26	29	24	31	27	30	26	38	49	39	58
Non-science and engineering	1,072	1,151	1,236	1,093	1,070	1,182	1,194	1,281	1,100	965	1,096
Education	695	771	798	683	645	746	746	815	644	502	584
Health	74	79	108	122	128	115	102	142	150	164	178
Humanities	162	156	169	168	162	172	159	156	162	148	175
Professional/other/unknown	141	145	161	120	135	149	187	168	144	151	159
White, all fields	21,462	21,694	21,460	21,513	22,167	22,388	23,270	24,134	23,532	23,500	24,209
Science and engineering	11,953	12,112	12,070	12,294	12,784	13,186	13,939	14,814	14,910	15,207	15,670
Science	10,471	10,543	10,519	10,683	11,052	11,372	11,841	12,603	12,643	12,910	13,200
Agricultural sciences	418	472	472	488	488	538	491	550	463	535	504
Biological sciences	3,124	3,074	3,199	3,340	3,431	3,651	3,827	4,122	4,122	4,106	4,220
Computer sciences	295	311	322	322	411	460	507	529	550	573	579
Earth, atmospheric, and ocean sciences	373	380	379	386	407	490	472	485	488	474	442
Mathematical sciences	370	408	399	414	479	467	526	593	654	640	655
Physical sciences	1,538	1,547	1,472	1,501	1,633	1,563	1,676	1,876	1,815	1,963	2,011
Astronomy	86	105	93	101	109	113	157	155	168	166	167
Chemistry	990	1,008	924	957	1,011	902	929	1,068	1,007	1,065	1,047
Physics	462	434	455	443	513	548	590	653	640	732	797
Psychology	2,243	2,281	2,148	2,286	2,142	2,138	2,174	2,219	2,187	2,262	2,261
Social sciences	2,110	2,070	2,128	1,946	2,061	2,065	2,168	2,229	2,364	2,357	2,528
Engineering	1,482	1,569	1,551	1,611	1,732	1,814	2,098	2,211	2,267	2,297	2,470
Aerospace, aeronautical, and astronautical engineering	74	67	60	74	66	94	94	122	112	111	139
Chemical engineering	205	205	206	218	257	234	294	302	313	288	272
Civil engineering	157	163	124	145	133	161	162	202	161	149	113
Electrical, electronics, and communications engineering	277	251	277	311	309	296	336	348	390	373	370
Industrial and manufacturing engineering	56	47	56	49	45	50	58	39	35	68	47
Materials science engineering	117	140	149	133	149	188	195	179	212	186	247
Mechanical engineering	216	234	192	220	259	254	288	310	299	332	389
Other engineering	380	462	487	461	514	537	671	709	745	790	893
Non-science and engineering	9,509	9,582	9,390	9,219	9,383	9,202	9,331	9,320	8,622	8,293	8,539
Education	4,055	4,191	4,026	3,961	3,881	3,920	4,094	3,946	3,183	2,781	2,841
Health	972	968	970	971	1,034	1,109	1,153	1,175	1,133	1,093	1,203
Humanities	3,386	3,371	3,301	3,137	3,299	2,964	2,890	2,931	3,036	3,189	3,307
Professional/other/unknown	1,096	1,052	1,093	1,150	1,169	1,209	1,194	1,268	1,270	1,230	1,188
More than one race, all fields	274	369	392	399	469	508	526	657	672	729	812
Science and engineering	142	221	228	244	297	320	332	431	444	499	557
Science	123	205	205	213	252	274	287	372	378	426	481
Agricultural sciences	4	5	6	7	5	9	6	13	7	12	11
Biological sciences	29	62	59	57	79	83	99	119	117	139	177

TABLE 10. Doctoral degrees awarded, by field, citizenship, ethnicity, and race of recipients: 2002–12

Field	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Computer sciences	1	9	8	12	10	8	9	17	19	18	18
Earth, atmospheric, and ocean sciences	7	8	7	4	5	10	4	8	11	6	10
Mathematical sciences	6	10	8	3	11	6	5	15	15	19	24
Physical sciences	15	24	31	32	23	33	38	41	53	69	62
Astronomy	1	6	2	3	3	3	3	4	2	4	1
Chemistry	6	14	17	20	14	17	17	25	28	27	39
Physics	8	4	12	9	6	13	18	12	23	38	22
Psychology	29	46	43	51	64	60	69	80	85	80	86
Social sciences	32	41	43	47	55	65	57	79	71	83	93
Engineering	19	16	23	31	45	46	45	59	66	73	76
Aerospace, aeronautical, and astronautical engineering	1	0	2	2	2	4	0	2	3	3	4
Chemical engineering	2	3	2	7	6	2	7	6	9	8	12
Civil engineering	1	0	2	3	1	4	4	1	2	3	1
Electrical, electronics, and communications engineering	5	4	4	3	9	9	9	8	13	12	11
Industrial and manufacturing engineering	0	0	2	1	1	0	3	1	3	1	1
Materials science engineering	3	2	1	1	3	9	2	7	7	12	10
Mechanical engineering	2	3	3	3	6	5	4	8	7	11	16
Other engineering	5	4	7	11	17	13	16	26	22	23	21
Non-science and engineering	132	148	164	155	172	188	194	226	228	230	255
Education	52	63	62	58	59	77	66	90	81	85	82
Health	8	15	17	16	12	22	21	27	32	29	30
Humanities	61	55	60	63	79	66	82	77	85	79	109
Professional/other/unknown	11	15	25	18	22	23	25	32	30	37	34
Other race or unknown, all fields	616	656	713	490	524	510	598	603	592	555	604
Science and engineering	368	406	456	298	314	319	392	394	383	357	417
Science	296	354	380	253	253	254	322	321	305	297	327
Agricultural sciences	6	10	19	6	9	9	12	17	10	7	12
Biological sciences	90	100	105	68	68	72	91	93	98	90	97
Computer sciences	8	16	14	14	11	15	18	15	24	14	19
Earth, atmospheric, and ocean sciences	9	12	19	8	11	14	8	12	18	10	8
Mathematical sciences	10	11	14	12	14	16	21	16	14	17	18
Physical sciences	41	71	64	38	35	44	44	50	45	50	48
Astronomy	3	7	5	5	1	4	0	2	2	2	2
Chemistry	24	44	37	14	22	22	24	24	23	22	19
Physics	14	20	22	19	12	18	20	24	20	26	27
Psychology	50	62	64	55	43	41	51	45	47	56	48
Social sciences	82	72	81	52	62	43	77	73	49	53	77
Engineering	72	52	76	45	61	65	70	73	78	60	90
Aerospace, aeronautical, and astronautical engineering	2	1	2	4	5	4	5	6	4	3	5
Chemical engineering	11	7	11	5	4	8	9	7	13	4	4
Civil engineering	9	6	2	4	3	4	3	4	1	5	2

TABLE 10. Doctoral degrees awarded, by field, citizenship, ethnicity, and race of recipients: 2002–12

Field	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Electrical, electronics, and communications engineering	16	14	17	11	14	16	14	11	18	8	20
Industrial and manufacturing engineering	4	2	3	1	0	2	0	2	1	1	1
Materials science engineering	3	3	6	2	7	5	5	8	6	6	9
Mechanical engineering	12	8	10	5	12	9	8	10	10	8	12
Other engineering	15	11	25	13	16	17	26	25	25	25	37
Non-science and engineering	248	250	257	192	210	191	206	209	209	198	187
Education	109	89	91	64	77	52	77	78	72	62	52
Health	21	27	28	20	25	33	16	20	20	25	32
Humanities	87	110	101	79	70	73	70	78	91	77	78
Professional/other/unknown	31	24	37	29	38	33	43	33	26	34	25
Temporary visa holders, all fields <sup>c</sup>	9,759	10,603	11,635	12,855	14,213	15,170	15,266	14,733	13,627	14,224	14,767
Science and engineering	7,708	8,394	9,167	10,433	11,594	12,376	12,637	12,227	11,308	11,808	12,288
Science	5,057	5,476	5,854	6,667	7,293	7,772	8,146	8,009	7,451	7,660	7,959
Agricultural sciences	436	427	419	415	400	433	432	438	343	402	478
Biological sciences	1,297	1,398	1,473	1,683	1,857	2,035	2,304	2,190	2,083	2,123	2,182
Computer sciences	349	380	460	598	798	900	1,005	789	766	769	887
Earth, atmospheric, and ocean sciences	224	201	224	234	245	285	294	295	251	246	266
Mathematical sciences	440	440	528	603	666	696	652	713	685	690	745
Physical sciences	1,107	1,215	1,347	1,557	1,733	1,781	1,734	1,733	1,650	1,728	1,704
Astronomy	31	34	47	63	64	80	64	80	67	81	70
Chemistry	597	688	722	803	957	953	880	889	847	906	878
Physics	479	493	578	691	712	748	790	764	736	741	756
Psychology	158	196	189	209	250	234	250	258	270	239	254
Social sciences	1,046	1,219	1,214	1,368	1,344	1,408	1,475	1,593	1,403	1,463	1,443
Engineering	2,651	2,918	3,313	3,766	4,301	4,604	4,491	4,218	3,857	4,148	4,329
Aerospace, aeronautical, and astronautical engineering	106	112	116	115	119	119	127	126	99	100	106
Chemical engineering	268	274	307	409	400	453	439	383	359	379	412
Civil engineering	305	334	350	403	417	437	468	418	377	373	301
Electrical, electronics, and communications engineering	694	779	872	986	1,223	1,302	1,218	1,049	1,040	1,108	1,178
Industrial and manufacturing engineering	134	138	135	128	144	172	175	175	142	151	140
Materials science engineering	176	243	258	290	337	361	338	350	326	349	334
Mechanical engineering	415	404	456	543	649	672	652	646	519	568	629
Other engineering	553	634	819	892	1,012	1,088	1,074	1,071	995	1,120	1,229
Non-science and engineering	2,051	2,209	2,468	2,422	2,619	2,794	2,629	2,506	2,319	2,416	2,479
Education	479	588	627	536	611	601	566	568	477	497	459
Health	326	330	366	389	404	476	460	399	413	412	479
Humanities	656	660	717	775	761	765	670	696	627	720	707
Professional/other/unknown	590	631	758	722	843	952	933	843	802	787	834
Citizenship unknown, all fields	2,516	1,980	2,435	2,566	2,357	3,441	2,636	2,456	2,804	2,957	3,314
Science and engineering	1,331	1,116	1,321	1,500	1,407	2,129	1,641	1,482	1,811	2,043	2,200

TABLE 10. Doctoral degrees awarded, by field, citizenship, ethnicity, and race of recipients: 2002–12

Field	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Science	1,072	932	1,051	1,129	1,024	1,533	1,229	1,226	1,427	1,526	1,640
Agricultural sciences	80	68	58	64	44	77	51	56	61	37	54
Biological sciences	270	230	259	285	287	368	345	301	379	402	388
Computer sciences	36	40	40	63	66	115	84	87	112	125	141
Earth, atmospheric, and ocean sciences	33	30	24	36	38	37	34	22	38	51	37
Mathematical sciences	36	36	37	59	40	89	75	68	67	103	118
Physical sciences	154	117	128	186	189	281	205	192	220	229	287
Astronomy	4	3	3	2	8	8	10	8	9	9	14
Chemistry	96	84	79	110	131	173	133	110	134	119	158
Physics	54	30	46	74	50	100	62	74	77	101	115
Psychology	237	209	338	216	179	262	210	293	278	278	315
Social sciences	226	202	167	220	181	304	225	207	272	301	300
Engineering	259	184	270	371	383	596	412	256	384	517	560
Aerospace, aeronautical, and astronautical engineering	10	8	8	6	28	30	17	11	12	17	20
Chemical engineering	31	12	36	59	39	54	36	13	30	51	52
Civil engineering	28	15	19	27	43	45	38	27	35	45	35
Electrical, electronics, and communications engineering	62	43	83	81	85	172	112	65	111	161	154
Industrial and manufacturing engineering	15	5	5	18	21	34	15	6	11	7	12
Materials science engineering	22	14	18	26	30	35	32	21	31	35	59
Mechanical engineering	34	30	25	47	43	65	58	28	61	76	89
Other engineering	57	57	76	107	94	161	104	85	93	125	139
Non-science and engineering	1,185	864	1,114	1,066	950	1,312	995	974	993	914	1,114
Education	612	413	556	436	340	488	410	375	334	295	317
Health	128	79	86	103	129	175	133	131	127	155	174
Humanities	265	221	239	313	296	388	261	268	294	260	355
Professional/other/unknown	180	151	233	214	185	261	191	200	238	204	268

<sup>a</sup> Total includes persons with unknown citizenship, race, and ethnicity.

<sup>b</sup> Race or ethnicity categories are as designated on the survey form. American Indian or Alaska Native, Asian, black or African American, and white are single race and not Hispanic or Latino; Hispanic or Latino may be of any race. The other race or unknown category includes Native Hawaiian or other Pacific Islander, doctorate recipients who are not Hispanic and did not indicate their race, and doctorate recipients with unknown race or ethnicity. These categories include U.S. citizens and foreign citizens on permanent visas (i.e., resident aliens who have been admitted for permanent residency).

<sup>c</sup> No race or ethnicity data are collected for this group.

NOTE: See appendix B for specific fields included in each category.

SOURCE: National Science Foundation, National Center for Science and Engineering Statistics, Survey of Earned Doctorates.