

TABLE 7-4

Doctoral degrees awarded, by field, citizenship, ethnicity, and race: 2006–16

(Number)

Field, citizenship, ethnicity, and race	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
All degrees	56,309	60,887	61,716	61,730	57,405	59,847	62,181	64,887	67,591	69,115	69,836
U.S. citizen and permanent resident	40,334	43,888	44,509	45,019	41,759	43,514	45,313	47,233	49,267	50,859	51,317
Hispanic or Latino ^a	1,980	2,138	2,410	2,419	2,294	2,457	2,707	2,938	3,239	3,554	3,891
Non-Hispanic or Latino	38,354	41,750	42,099	42,600	39,465	41,057	42,606	44,295	46,028	47,305	47,426
American Indian or Alaska Native	214	232	244	282	224	232	232	261	241	264	246
Asian	na	na	na	na	na	3,125	3,342	3,431	3,440	3,664	3,567
Asian or Pacific Islander ^b	2,996	3,251	3,201	3,203	3,183	na	na	na	na	na	na
Black or African American	2,884	3,452	3,478	3,645	3,372	3,759	4,065	4,331	4,780	5,050	5,265
Native Hawaiian or Other Pacific Islander	na	na	na	na	na	55	55	70	70	76	91
White	29,114	31,355	31,342	31,526	28,670	29,455	30,424	31,614	32,622	33,218	33,202
More than one race ^c	na	na	na	na	na	337	397	522	643	777	980
Other or unknown race and ethnicity	3,146	3,460	3,834	3,944	4,016	4,094	4,091	4,066	4,232	4,256	4,075
Temporary resident	15,975	16,999	17,207	16,711	15,646	16,333	16,868	17,654	18,324	18,256	18,519
All S&E	30,452	32,588	33,359	33,284	32,649	34,205	35,359	36,928	38,939	39,178	39,053
U.S. citizen and permanent resident	18,400	19,595	20,186	20,560	20,570	21,600	22,258	23,218	24,393	24,671	24,544
Hispanic or Latino ^a	1,003	1,071	1,162	1,098	1,169	1,259	1,327	1,490	1,620	1,739	1,944
Non-Hispanic or Latino	17,397	18,524	19,024	19,462	19,401	20,341	20,931	21,728	22,773	22,932	22,600
American Indian or Alaska Native	96	105	102	120	103	108	99	107	110	117	104
Asian	na	na	na	na	na	2,073	2,166	2,173	2,218	2,315	2,244
Asian or Pacific Islander ^b	1,788	1,973	1,933	1,947	2,054	na	na	na	na	na	na
Black or African American	899	964	983	1,041	973	1,101	1,140	1,277	1,375	1,367	1,405
Native Hawaiian or Other Pacific Islander	na	na	na	na	na	33	20	23	33	26	30
White	13,246	13,981	14,220	14,552	14,278	14,748	15,255	15,816	16,497	16,559	16,302
More than one race ^c	na	na	na	na	na	182	232	276	377	434	545
Other or unknown race and ethnicity	1,368	1,501	1,786	1,802	1,993	2,096	2,019	2,056	2,163	2,114	1,970
Temporary resident	12,052	12,993	13,173	12,724	12,079	12,605	13,101	13,710	14,546	14,507	14,509
Science	23,050	24,522	25,249	25,369	24,837	25,727	26,486	27,439	28,804	28,772	28,695
U.S. citizen and permanent resident	15,686	16,601	17,006	17,186	17,063	17,887	18,332	19,095	19,942	20,051	19,942
Hispanic or Latino ^a	898	933	1,032	945	973	1,077	1,136	1,288	1,373	1,453	1,659
Non-Hispanic or Latino	14,788	15,668	15,974	16,241	16,090	16,810	17,196	17,807	18,569	18,598	18,283
American Indian or Alaska Native	89	97	87	101	93	93	88	100	97	105	94
Asian	na	na	na	na	na	1,474	1,593	1,584	1,581	1,651	1,583
Asian or Pacific Islander ^b	1,318	1,465	1,432	1,443	1,537	na	na	na	na	na	na
Black or African American	789	847	855	902	819	960	965	1,090	1,203	1,202	1,208
Native Hawaiian or Other Pacific Islander	na	na	na	na	na	29	18	16	25	25	27
White	11,428	12,008	12,108	12,317	11,992	12,355	12,663	13,115	13,569	13,536	13,335
More than one race ^c	na	na	na	na	na	150	190	217	299	347	429
Other or unknown race and ethnicity	1,164	1,251	1,492	1,478	1,649	1,749	1,679	1,685	1,795	1,732	1,607
Temporary resident	7,364	7,921	8,243	8,183	7,774	7,840	8,154	8,344	8,862	8,721	8,753
Agricultural sciences	1,037	1,068	1,080	1,143	982	1,053	1,144	1,218	1,228	1,381	1,343
U.S. citizen and permanent resident	640	643	668	715	639	660	694	770	755	888	849
Hispanic or Latino ^a	36	15	18	21	33	45	41	45	49	47	58
Non-Hispanic or Latino	604	628	650	694	606	615	653	725	706	841	791
American Indian or Alaska Native	1	3	8	5	6	5	9	4	5	8	6
Asian	na	na	na	na	na	28	34	29	34	35	43
Asian or Pacific Islander ^b	25	24	34	34	32	na	na	na	na	na	na
Black or African American	28	24	26	28	47	21	38	33	32	31	38
Native Hawaiian or Other Pacific Islander	na	na	na	na	na	1	0	1	1	1	0
White	526	541	534	576	480	509	519	586	577	673	633
More than one race ^c	na	na	na	na	na	5	4	7	4	14	15

TABLE 7-4

Doctoral degrees awarded, by field, citizenship, ethnicity, and race: 2006–16

(Number)

Field, citizenship, ethnicity, and race	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Other or unknown race and ethnicity	24	36	48	51	41	46	49	65	53	79	56
Temporary resident	397	425	412	428	343	393	450	448	473	493	494
Biological sciences	6,138	6,703	7,319	7,429	7,571	7,596	7,817	7,825	8,207	7,890	7,858
U.S. citizen and permanent resident	4,377	4,713	5,091	5,310	5,447	5,513	5,705	5,710	5,957	5,720	5,740
Hispanic or Latino ^a	212	226	274	282	326	324	329	393	379	425	454
Non-Hispanic or Latino	4,165	4,487	4,817	5,028	5,121	5,189	5,376	5,317	5,578	5,295	5,286
American Indian or Alaska Native	19	23	20	27	21	25	33	25	16	24	24
Asian	na	na	na	na	na	596	659	656	646	667	632
Asian or Pacific Islander ^b	477	563	575	567	650	na	na	na	na	na	na
Black or African American	173	173	229	252	206	249	267	284	271	219	245
Native Hawaiian or Other Pacific Islander	na	na	na	na	na	12	10	7	12	8	11
White	3,206	3,426	3,608	3,782	3,759	3,787	3,859	3,860	4,067	3,886	3,881
More than one race ^c	na	na	na	na	na	44	59	62	99	110	127
Other or unknown race and ethnicity	290	302	385	400	485	476	489	423	467	381	366
Temporary resident	1,761	1,990	2,228	2,119	2,124	2,083	2,112	2,115	2,250	2,170	2,118
Computer sciences	1,416	1,597	1,696	1,574	1,561	1,562	1,690	1,809	1,935	1,951	1,936
U.S. citizen and permanent resident	551	680	667	730	782	772	819	849	875	864	816
Hispanic or Latino ^a	6	17	16	23	17	19	26	40	31	42	36
Non-Hispanic or Latino	545	663	651	707	765	753	793	809	844	822	780
American Indian or Alaska Native	6	3	0	2	3	3	2	0	7	4	1
Asian	na	na	na	na	na	128	129	128	110	112	88
Asian or Pacific Islander ^b	92	111	87	116	124	na	na	na	na	na	na
Black or African American	21	30	24	30	33	31	39	52	52	57	69
Native Hawaiian or Other Pacific Islander	na	na	na	na	na	2	0	0	0	0	1
White	356	437	446	483	506	514	526	531	554	535	516
More than one race ^c	na	na	na	na	na	3	3	3	7	16	19
Other or unknown race and ethnicity	70	82	94	76	99	72	94	95	114	98	86
Temporary resident	865	917	1,029	844	779	790	871	960	1,060	1,087	1,120
Earth, atmospheric, and ocean sciences	600	727	683	724	713	687	737	794	861	827	912
U.S. citizen and permanent resident	389	481	436	477	481	472	498	540	583	566	610
Hispanic or Latino ^a	12	18	17	14	16	14	18	24	21	31	27
Non-Hispanic or Latino	377	463	419	463	465	458	480	516	562	535	583
American Indian or Alaska Native	0	2	2	2	2	0	2	4	1	3	5
Asian	na	na	na	na	na	22	19	13	21	17	28
Asian or Pacific Islander ^b	23	11	17	15	15	na	na	na	na	na	na
Black or African American	3	7	7	6	5	5	15	11	12	11	11
Native Hawaiian or Other Pacific Islander	na	na	na	na	na	0	1	0	0	1	0
White	328	400	349	390	395	385	404	450	483	444	480
More than one race ^c	na	na	na	na	na	1	6	5	9	8	14
Other or unknown race and ethnicity	23	43	44	50	48	45	33	33	36	51	45
Temporary resident	211	246	247	247	232	215	239	254	278	261	302
Atmospheric sciences	95	87	106	110	100	120	125	137	126	146	142
U.S. citizen and permanent resident	45	48	58	68	50	83	75	91	85	99	96
Hispanic or Latino ^a	2	2	2	0	0	1	2	2	3	2	8
Non-Hispanic or Latino	43	46	56	68	50	82	73	89	82	97	88
American Indian or Alaska Native	0	0	0	0	1	0	0	0	0	0	0
Asian	na	na	na	na	na	6	5	2	3	6	5
Asian or Pacific Islander ^b	6	1	1	1	2	na	na	na	na	na	na
Black or African American	2	2	1	2	0	1	3	4	0	4	6
Native Hawaiian or Other Pacific Islander	na	na	na	na	na	0	1	0	0	0	0

TABLE 7-4

Doctoral degrees awarded, by field, citizenship, ethnicity, and race: 2006–16

(Number)

Field, citizenship, ethnicity, and race	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
White	30	39	49	61	43	67	61	75	77	82	73
More than one race ^c	na	na	na	na	na	1	1	1	0	0	0
Other or unknown race and ethnicity	5	4	5	4	4	7	2	7	2	5	4
Temporary resident	50	39	48	42	50	37	50	46	41	47	46
Earth sciences	430	513	469	503	496	467	497	530	606	575	631
U.S. citizen and permanent resident	296	347	302	333	350	312	339	363	395	391	411
Hispanic or Latino ^a	10	12	13	12	13	11	11	19	13	25	16
Non-Hispanic or Latino	286	335	289	321	337	301	328	344	382	366	395
American Indian or Alaska Native	0	1	2	1	1	0	1	4	0	3	4
Asian	na	na	na	na	na	12	13	9	14	11	15
Asian or Pacific Islander ^b	16	8	12	10	11	na	na	na	na	na	na
Black or African American	0	3	5	4	5	3	10	5	9	6	4
Native Hawaiian or Other Pacific Islander	na	na	na	na	na	0	0	0	0	1	0
White	258	289	235	263	280	258	274	302	322	302	325
More than one race ^c	na	na	na	na	na	0	5	4	7	8	11
Other or unknown race and ethnicity	12	34	35	43	40	28	25	20	30	35	36
Temporary resident	134	166	167	170	146	155	158	167	211	184	220
Ocean sciences	75	127	108	111	117	100	115	127	129	106	139
U.S. citizen and permanent resident	48	86	76	76	81	77	84	86	103	76	103
Hispanic or Latino ^a	0	4	2	2	3	2	5	3	5	4	3
Non-Hispanic or Latino	48	82	74	74	78	75	79	83	98	72	100
American Indian or Alaska Native	0	1	0	1	0	0	1	0	1	0	1
Asian	na	na	na	na	na	4	1	2	4	0	8
Asian or Pacific Islander ^b	1	2	4	4	2	na	na	na	na	na	na
Black or African American	1	2	1	0	0	1	2	2	3	1	1
Native Hawaiian or Other Pacific Islander	na	na	na	na	na	0	0	0	0	0	0
White	40	72	65	66	72	60	69	73	84	60	82
More than one race ^c	na	na	na	na	na	0	0	0	2	0	3
Other or unknown race and ethnicity	6	5	4	3	4	10	6	6	4	11	5
Temporary resident	27	41	32	35	36	23	31	41	26	30	36
Mathematics and statistics	1,297	1,356	1,362	1,536	1,594	1,590	1,670	1,824	1,864	1,802	1,855
U.S. citizen and permanent resident	583	645	671	788	863	849	852	912	948	900	982
Hispanic or Latino ^a	27	21	29	35	31	29	39	34	35	35	62
Non-Hispanic or Latino	556	624	642	753	832	820	813	878	913	865	920
American Indian or Alaska Native	0	1	2	3	2	5	0	3	1	1	4
Asian	na	na	na	na	na	89	70	102	79	80	101
Asian or Pacific Islander ^b	63	79	53	78	84	na	na	na	na	na	na
Black or African American	20	21	22	27	24	23	21	27	27	20	36
Native Hawaiian or Other Pacific Islander	na	na	na	na	na	1	2	0	1	2	0
White	428	458	490	559	634	627	636	652	708	676	656
More than one race ^c	na	na	na	na	na	2	9	11	13	8	35
Other or unknown race and ethnicity	45	65	75	86	88	73	75	83	84	78	88
Temporary resident	714	711	691	748	731	741	818	912	916	902	873
Physical sciences	3,986	4,209	4,205	4,416	4,326	4,560	4,589	4,703	4,947	4,971	5,078
U.S. citizen and permanent resident	2,183	2,266	2,307	2,486	2,489	2,652	2,709	2,774	2,823	2,974	3,016
Hispanic or Latino ^a	93	92	112	115	108	123	132	133	151	154	159
Non-Hispanic or Latino	2,090	2,174	2,195	2,371	2,381	2,529	2,577	2,641	2,672	2,820	2,857
American Indian or Alaska Native	9	7	5	10	11	10	6	8	16	11	5
Asian	na	na	na	na	na	204	237	236	240	256	250

TABLE 7-4

Doctoral degrees awarded, by field, citizenship, ethnicity, and race: 2006–16

(Number)

Field, citizenship, ethnicity, and race	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Asian or Pacific Islander ^b	220	222	216	204	217	na	na	na	na	na	na
Black or African American	55	86	77	78	80	86	79	95	107	107	99
Native Hawaiian or Other Pacific Islander	na	na	na	na	na	6	4	0	3	5	2
White	1,645	1,667	1,685	1,852	1,801	1,913	1,958	2,041	2,002	2,132	2,218
More than one race ^c	na	na	na	na	na	26	28	38	43	46	62
Other or unknown race and ethnicity	161	192	212	227	272	284	265	223	261	263	221
Temporary resident	1,803	1,943	1,898	1,930	1,837	1,908	1,880	1,929	2,124	1,997	2,062
Astronomy	114	128	163	143	160	166	170	174	179	153	169
U.S. citizen and permanent resident	73	89	117	98	119	108	124	120	131	118	124
Hispanic or Latino ^a	1	5	3	4	4	5	5	3	3	9	6
Non-Hispanic or Latino	72	84	114	94	115	103	119	117	128	109	118
American Indian or Alaska Native	0	0	0	0	1	0	1	2	1	0	0
Asian	na	na	na	na	na	4	7	6	7	9	12
Asian or Pacific Islander ^b	6	6	4	3	4	na	na	na	na	na	na
Black or African American	1	2	0	0	2	1	0	0	1	1	1
Native Hawaiian or Other Pacific Islander	na	na	na	na	na	0	0	0	0	0	0
White	57	63	94	85	97	84	105	98	100	80	92
More than one race ^c	na	na	na	na	na	2	0	0	3	3	2
Other or unknown race and ethnicity	8	13	16	6	11	12	6	11	16	16	11
Temporary resident	41	39	46	45	41	58	46	54	48	35	45
Chemistry	2,502	2,606	2,495	2,652	2,564	2,685	2,630	2,730	2,921	2,906	3,002
U.S. citizen and permanent resident	1,461	1,464	1,414	1,586	1,542	1,592	1,584	1,653	1,703	1,787	1,806
Hispanic or Latino ^a	70	65	89	86	72	79	76	89	100	100	109
Non-Hispanic or Latino	1,391	1,399	1,325	1,500	1,470	1,513	1,508	1,564	1,603	1,687	1,697
American Indian or Alaska Native	6	3	4	7	8	7	4	4	12	5	4
Asian	na	na	na	na	na	135	165	155	149	174	161
Asian or Pacific Islander ^b	160	155	150	148	151	na	na	na	na	na	na
Black or African American	43	64	62	66	59	67	58	78	81	88	72
Native Hawaiian or Other Pacific Islander	na	na	na	na	na	4	4	0	1	3	0
White	1,080	1,071	993	1,145	1,095	1,131	1,104	1,197	1,178	1,243	1,307
More than one race ^c	na	na	na	na	na	14	15	24	24	32	40
Other or unknown race and ethnicity	102	106	116	134	157	155	158	106	158	142	113
Temporary resident	1,041	1,142	1,081	1,066	1,022	1,093	1,046	1,077	1,218	1,119	1,196
Physics	1,341	1,442	1,507	1,580	1,570	1,670	1,752	1,740	1,768	1,840	1,833
U.S. citizen and permanent resident	635	696	754	781	808	928	985	970	951	1,028	1,041
Hispanic or Latino ^a	21	22	20	25	32	37	51	41	48	44	43
Non-Hispanic or Latino	614	674	734	756	776	891	934	929	903	984	998
American Indian or Alaska Native	3	4	1	3	2	3	1	2	3	5	1
Asian	na	na	na	na	na	63	65	72	82	73	73
Asian or Pacific Islander ^b	54	60	57	53	60	na	na	na	na	na	na
Black or African American	11	20	15	11	18	17	21	15	21	18	24
Native Hawaiian or Other Pacific Islander	na	na	na	na	na	2	0	0	2	2	1
White	496	519	582	603	592	681	734	721	695	774	788
More than one race ^c	na	na	na	na	na	9	13	14	15	10	19
Other or unknown race and ethnicity	50	71	79	86	104	116	100	105	85	102	92
Temporary resident	706	746	753	799	762	742	767	770	817	812	792
Other	29	33	40	41	32	39	37	59	79	72	74
U.S. citizen and permanent resident	14	17	22	21	20	24	16	31	38	41	45

TABLE 7-4

Doctoral degrees awarded, by field, citizenship, ethnicity, and race: 2006–16

(Number)

Field, citizenship, ethnicity, and race	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Hispanic or Latino ^a	1	0	0	0	0	2	0	0	0	1	1
Non-Hispanic or Latino	13	17	22	21	20	22	16	31	38	40	44
American Indian or Alaska Native	0	0	0	0	0	0	0	0	0	1	0
Asian	na	na	na	na	na	2	0	3	2	0	4
Asian or Pacific Islander ^b	0	1	5	0	2	na	na	na	na	na	na
Black or African American	0	0	0	1	1	1	0	2	4	0	2
Native Hawaiian or Other Pacific Islander	na	na	na	na	na	0	0	0	0	0	1
White	12	14	16	19	17	17	15	25	29	35	31
More than one race ^c	na	na	na	na	na	1	0	0	1	1	1
Other or unknown race and ethnicity	1	2	1	1	0	1	1	1	2	3	5
Temporary resident	15	16	18	20	12	15	21	28	41	31	29
Psychology	4,484	4,696	4,600	4,046	3,606	3,952	3,867	4,280	4,574	4,533	4,526
U.S. citizen and permanent resident	4,230	4,450	4,359	3,770	3,334	3,694	3,616	4,017	4,320	4,261	4,292
Hispanic or Latino ^a	367	417	420	316	277	335	342	408	483	488	590
Non-Hispanic or Latino	3,863	4,033	3,939	3,454	3,057	3,359	3,274	3,609	3,837	3,773	3,702
American Indian or Alaska Native	32	36	31	23	19	23	21	31	20	21	22
Asian	na	na	na	na	na	189	213	199	213	255	228
Asian or Pacific Islander ^b	242	265	252	207	197	na	na	na	na	na	na
Black or African American	256	278	271	259	212	275	238	299	362	414	406
Native Hawaiian or Other Pacific Islander	na	na	na	na	na	1	0	4	6	3	10
White	3,034	3,171	3,036	2,664	2,342	2,471	2,435	2,633	2,799	2,661	2,566
More than one race ^c	na	na	na	na	na	40	45	47	72	78	104
Other or unknown race and ethnicity	299	283	349	301	287	360	322	396	365	341	366
Temporary resident	254	246	241	276	272	258	251	263	254	272	234
Social sciences	4,092	4,166	4,304	4,501	4,484	4,727	4,972	4,986	5,188	5,417	5,187
U.S. citizen and permanent resident	2,733	2,723	2,807	2,910	3,028	3,275	3,439	3,523	3,681	3,878	3,637
Hispanic or Latino ^a	145	127	146	139	165	188	209	211	224	231	273
Non-Hispanic or Latino	2,588	2,596	2,661	2,771	2,863	3,087	3,230	3,312	3,457	3,647	3,364
American Indian or Alaska Native	22	22	19	29	29	22	15	25	31	33	27
Asian	na	na	na	na	na	218	232	221	238	229	213
Asian or Pacific Islander ^b	176	190	198	222	218	na	na	na	na	na	na
Black or African American	233	228	199	222	212	270	268	289	340	343	304
Native Hawaiian or Other Pacific Islander	na	na	na	na	na	6	1	4	2	5	3
White	1,905	1,908	1,960	2,011	2,075	2,149	2,326	2,362	2,379	2,529	2,385
More than one race ^c	na	na	na	na	na	29	36	44	52	67	53
Other or unknown race and ethnicity	252	248	285	287	329	393	352	367	415	441	379
Temporary resident	1,359	1,443	1,497	1,591	1,456	1,452	1,533	1,463	1,507	1,539	1,550
Anthropology	480	519	491	527	534	596	585	595	606	577	591
U.S. citizen and permanent resident	425	433	416	431	444	505	490	508	507	489	486
Hispanic or Latino ^a	25	18	29	34	27	40	36	36	51	33	40
Non-Hispanic or Latino	400	415	387	397	417	465	454	472	456	456	446
American Indian or Alaska Native	4	6	1	6	9	4	6	6	7	8	6
Asian	na	na	na	na	na	23	21	35	32	21	20
Asian or Pacific Islander ^b	23	23	29	18	19	na	na	na	na	na	na
Black or African American	21	19	18	22	21	18	14	20	21	17	21
Native Hawaiian or Other Pacific Islander	na	na	na	na	na	1	0	1	0	1	0
White	325	330	299	308	318	365	359	349	330	331	341
More than one race ^c	na	na	na	na	na	4	9	5	10	9	6
Other or unknown race and ethnicity	27	37	40	43	50	50	45	56	56	69	52

TABLE 7-4

Doctoral degrees awarded, by field, citizenship, ethnicity, and race: 2006–16

(Number)

Field, citizenship, ethnicity, and race	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Temporary resident	55	86	75	96	90	91	95	87	99	88	105
Area and ethnic studies	220	226	246	226	237	257	274	272	316	309	302
U.S. citizen and permanent resident	187	202	190	178	191	214	220	240	265	263	254
Hispanic or Latino ^a	13	14	11	8	16	14	21	24	23	26	34
Non-Hispanic or Latino	174	188	179	170	175	200	199	216	242	237	220
American Indian or Alaska Native	5	6	6	11	6	6	6	10	6	10	7
Asian	na	na	na	na	na	21	24	16	25	14	12
Asian or Pacific Islander ^b	14	16	9	10	21	na	na	na	na	na	na
Black or African American	36	38	36	33	30	30	36	38	42	39	39
Native Hawaiian or Other Pacific Islander	na	na	na	na	na	1	0	0	1	2	2
White	91	103	109	95	92	113	106	129	122	138	131
More than one race ^c	na	na	na	na	na	2	4	2	10	7	7
Other or unknown race and ethnicity	28	25	19	21	26	27	23	21	36	27	22
Temporary resident	33	24	56	48	46	43	54	32	51	46	48
Economics	1,057	1,107	1,172	1,172	1,120	1,152	1,271	1,227	1,212	1,283	1,298
U.S. citizen and permanent resident	371	369	438	408	459	456	538	535	500	566	537
Hispanic or Latino ^a	21	22	16	18	22	16	17	37	23	35	37
Non-Hispanic or Latino	350	347	422	390	437	440	521	498	477	531	500
American Indian or Alaska Native	2	2	1	1	1	1	0	0	1	3	0
Asian	na	na	na	na	na	55	60	58	60	65	57
Asian or Pacific Islander ^b	47	50	49	48	53	na	na	na	na	na	na
Black or African American	18	18	15	8	10	19	15	21	18	11	17
Native Hawaiian or Other Pacific Islander	na	na	na	na	na	1	0	0	0	0	0
White	237	233	292	281	322	279	375	355	331	372	359
More than one race ^c	na	na	na	na	na	10	4	5	6	12	9
Other or unknown race and ethnicity	46	44	65	52	51	75	67	59	61	68	58
Temporary resident	686	738	734	764	661	696	733	692	712	717	761
History of science	34	27	34	19	31	27	24	29	41	31	31
U.S. citizen and permanent resident	28	16	29	12	25	24	17	24	29	19	25
Hispanic or Latino ^a	2	1	0	0	2	1	1	0	2	1	1
Non-Hispanic or Latino	26	15	29	12	23	23	16	24	27	18	24
American Indian or Alaska Native	0	0	0	0	0	0	0	0	0	0	0
Asian	na	na	na	na	na	1	1	0	2	1	0
Asian or Pacific Islander ^b	2	1	1	0	0	na	na	na	na	na	na
Black or African American	1	1	0	1	0	0	0	1	1	1	0
Native Hawaiian or Other Pacific Islander	na	na	na	na	na	0	0	0	0	0	0
White	19	13	20	11	21	20	12	22	18	16	22
More than one race ^c	na	na	na	na	na	0	0	0	0	0	0
Other or unknown race and ethnicity	4	0	8	0	2	2	3	1	6	0	2
Temporary resident	6	11	5	7	6	3	7	5	12	12	6
Linguistics	216	219	215	240	203	235	249	237	240	266	259
U.S. citizen and permanent resident	114	123	114	145	118	146	139	131	139	155	152
Hispanic or Latino ^a	4	3	3	4	3	3	3	5	7	4	13
Non-Hispanic or Latino	110	120	111	141	115	143	136	126	132	151	139
American Indian or Alaska Native	1	1	2	0	1	0	0	2	1	1	1
Asian	na	na	na	na	na	14	19	9	8	12	9
Asian or Pacific Islander ^b	20	24	9	27	12	na	na	na	na	na	na
Black or African American	5	0	2	2	2	5	3	2	4	3	3

TABLE 7-4

Doctoral degrees awarded, by field, citizenship, ethnicity, and race: 2006–16

(Number)

Field, citizenship, ethnicity, and race	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Native Hawaiian or Other Pacific Islander	na	na	na	na	na	0	0	0	0	0	0
White	74	86	95	99	89	104	99	95	100	110	106
More than one race ^c	na	na	na	na	na	0	2	4	2	5	5
Other or unknown race and ethnicity	10	9	3	13	11	20	13	14	17	20	15
Temporary resident	102	96	101	95	85	89	110	106	101	111	107
Political science and public administration	1,098	1,093	1,104	1,244	1,312	1,314	1,402	1,507	1,537	1,622	1,518
U.S. citizen and permanent resident	827	811	822	919	967	1,013	1,086	1,181	1,234	1,284	1,221
Hispanic or Latino ^a	35	34	36	37	46	50	58	49	61	54	73
Non-Hispanic or Latino	792	777	786	882	921	963	1,028	1,132	1,173	1,230	1,148
American Indian or Alaska Native	4	0	6	6	5	4	2	5	8	7	5
Asian	na	na	na	na	na	58	57	70	51	59	67
Asian or Pacific Islander ^b	38	42	45	60	71	na	na	na	na	na	na
Black or African American	90	85	67	94	80	121	126	143	176	184	146
Native Hawaiian or Other Pacific Islander	na	na	na	na	na	1	1	3	1	2	1
White	580	573	578	622	648	627	710	753	781	817	769
More than one race ^c	na	na	na	na	na	9	7	15	10	19	12
Other or unknown race and ethnicity	80	77	90	100	117	143	125	143	146	142	148
Temporary resident	271	282	282	325	345	301	316	326	303	338	297
Sociology	574	573	594	635	612	671	635	626	692	733	658
U.S. citizen and permanent resident	466	459	477	499	504	555	536	517	580	623	552
Hispanic or Latino ^a	37	23	38	22	29	49	53	40	34	54	40
Non-Hispanic or Latino	429	436	439	477	475	506	483	477	546	569	512
American Indian or Alaska Native	0	4	3	3	3	4	0	1	6	3	6
Asian	na	na	na	na	na	35	31	22	37	35	38
Asian or Pacific Islander ^b	21	23	38	38	28	na	na	na	na	na	na
Black or African American	45	47	45	48	51	47	48	51	55	65	51
Native Hawaiian or Other Pacific Islander	na	na	na	na	na	2	0	0	0	0	0
White	337	326	321	354	355	375	355	360	391	401	362
More than one race ^c	na	na	na	na	na	3	7	9	8	11	9
Other or unknown race and ethnicity	26	36	32	34	38	40	42	34	49	54	46
Temporary resident	108	114	117	136	108	116	99	109	112	110	106
Other	413	402	448	438	435	475	532	493	544	596	530
U.S. citizen and permanent resident	315	310	321	318	320	362	413	387	427	479	410
Hispanic or Latino ^a	8	12	13	16	20	15	20	20	23	24	35
Non-Hispanic or Latino	307	298	308	302	300	347	393	367	404	455	375
American Indian or Alaska Native	6	3	0	2	4	3	1	1	2	1	2
Asian	na	na	na	na	na	11	19	11	23	22	10
Asian or Pacific Islander ^b	11	11	18	21	14	na	na	na	na	na	na
Black or African American	17	20	16	14	18	30	26	13	23	23	27
Native Hawaiian or Other Pacific Islander	na	na	na	na	na	0	0	0	0	0	0
White	242	244	246	241	230	266	310	299	306	344	295
More than one race ^c	na	na	na	na	na	1	3	4	6	4	5
Other or unknown race and ethnicity	31	20	28	24	34	36	34	39	44	61	36
Temporary resident	98	92	127	120	115	113	119	106	117	117	120
Engineering	7,402	8,066	8,110	7,915	7,812	8,478	8,873	9,489	10,135	10,406	10,358
U.S. citizen and permanent resident	2,714	2,994	3,180	3,374	3,507	3,713	3,926	4,123	4,451	4,620	4,602
Hispanic or Latino ^a	105	138	130	153	196	182	191	202	247	286	285

TABLE 7-4

Doctoral degrees awarded, by field, citizenship, ethnicity, and race: 2006–16

(Number)

Field, citizenship, ethnicity, and race	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Non-Hispanic or Latino	2,609	2,856	3,050	3,221	3,311	3,531	3,735	3,921	4,204	4,334	4,317
American Indian or Alaska Native	7	8	15	19	10	15	11	7	13	12	10
Asian	na	na	na	na	na	599	573	589	637	664	661
Asian or Pacific Islander ^b	470	508	501	504	517	na	na	na	na	na	na
Black or African American	110	117	128	139	154	141	175	187	172	165	197
Native Hawaiian or Other Pacific Islander	na	na	na	na	na	4	2	7	8	1	3
White	1,818	1,973	2,112	2,235	2,286	2,393	2,592	2,701	2,928	3,023	2,967
More than one race ^c	na	na	na	na	na	32	42	59	78	87	116
Other or unknown race and ethnicity	204	250	294	324	344	347	340	371	368	382	363
Temporary resident	4,688	5,072	4,930	4,541	4,305	4,765	4,947	5,366	5,684	5,786	5,756
Aerospace engineering	209	234	232	257	228	237	275	310	336	310	332
U.S. citizen and permanent resident	80	108	103	137	122	130	163	169	208	194	208
Hispanic or Latino ^a	0	7	3	8	7	8	9	11	16	8	15
Non-Hispanic or Latino	80	101	100	129	115	122	154	158	192	186	193
American Indian or Alaska Native	0	0	1	0	0	0	1	0	1	0	0
Asian	na	na	na	na	na	16	15	16	18	12	20
Asian or Pacific Islander ^b	11	8	9	16	12	na	na	na	na	na	na
Black or African American	4	2	2	3	3	4	9	4	2	5	4
Native Hawaiian or Other Pacific Islander	na	na	na	na	na	0	0	0	1	0	0
White	60	81	81	99	90	93	112	128	156	150	153
More than one race ^c	na	na	na	na	na	2	6	3	3	5	4
Other or unknown race and ethnicity	5	10	7	11	10	7	11	7	11	14	12
Temporary resident	129	126	129	120	106	107	112	141	128	116	124
Chemical engineering	911	915	950	886	929	951	969	1,001	1,169	1,197	1,181
U.S. citizen and permanent resident	423	373	417	437	469	440	442	428	520	564	559
Hispanic or Latino ^a	20	16	20	22	33	23	30	17	28	31	39
Non-Hispanic or Latino	403	357	397	415	436	417	412	411	492	533	520
American Indian or Alaska Native	1	1	2	5	0	4	1	1	1	4	0
Asian	na	na	na	na	na	58	66	57	70	81	91
Asian or Pacific Islander ^b	70	63	55	56	65	na	na	na	na	na	na
Black or African American	13	18	17	11	14	15	11	13	17	11	18
Native Hawaiian or Other Pacific Islander	na	na	na	na	na	1	0	1	0	0	0
White	297	250	296	312	331	307	296	300	357	383	378
More than one race ^c	na	na	na	na	na	2	2	5	10	4	11
Other or unknown race and ethnicity	22	25	27	31	26	30	36	34	37	50	22
Temporary resident	488	542	533	449	460	511	527	573	649	633	622
Civil engineering	864	935	909	902	851	894	922	1,036	1,154	1,230	1,166
U.S. citizen and permanent resident	296	359	330	348	347	353	366	410	465	535	468
Hispanic or Latino ^a	16	25	14	21	26	18	27	24	28	40	35
Non-Hispanic or Latino	280	334	316	327	321	335	339	386	437	495	433
American Indian or Alaska Native	0	3	2	3	1	1	2	0	0	2	1
Asian	na	na	na	na	na	46	35	36	42	59	43
Asian or Pacific Islander ^b	44	50	38	35	37	na	na	na	na	na	na
Black or African American	9	10	9	9	12	14	13	14	19	26	17
Native Hawaiian or Other Pacific Islander	na	na	na	na	na	0	0	0	1	0	0
White	208	245	231	241	235	228	257	295	324	347	324
More than one race ^c	na	na	na	na	na	3	3	4	8	14	8
Other or unknown race and ethnicity	19	26	36	39	36	43	29	37	43	47	40
Temporary resident	568	576	579	554	504	541	556	626	689	695	698
Electrical engineering	2,124	2,380	2,279	2,090	2,169	2,352	2,475	2,469	2,642	2,651	2,620

TABLE 7-4

Doctoral degrees awarded, by field, citizenship, ethnicity, and race: 2006–16

(Number)

Field, citizenship, ethnicity, and race	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
U.S. citizen and permanent resident	560	645	704	711	757	815	847	813	822	855	810
Hispanic or Latino ^a	11	33	27	27	42	41	36	34	41	54	49
Non-Hispanic or Latino	549	612	677	684	715	774	811	779	781	801	761
American Indian or Alaska Native	2	1	2	2	4	0	1	2	3	1	2
Asian	na	na	na	na	na	179	184	167	179	157	155
Asian or Pacific Islander ^b	121	156	174	156	154	na	na	na	na	na	na
Black or African American	20	24	21	30	27	32	43	34	40	31	44
Native Hawaiian or Other Pacific Islander	na	na	na	na	na	0	0	2	1	0	1
White	346	367	397	415	426	468	486	474	453	494	469
More than one race ^c	na	na	na	na	na	5	9	16	15	18	20
Other or unknown race and ethnicity	60	64	83	81	104	90	88	84	90	100	70
Temporary resident	1,564	1,735	1,575	1,379	1,412	1,537	1,628	1,656	1,820	1,796	1,810
Industrial engineering	302	364	346	333	290	319	348	389	400	354	375
U.S. citizen and permanent resident	117	129	125	112	116	124	124	133	136	111	126
Hispanic or Latino ^a	12	12	9	6	11	10	5	10	12	11	9
Non-Hispanic or Latino	105	117	116	106	105	114	119	123	124	100	117
American Indian or Alaska Native	1	0	1	0	1	0	1	1	0	0	0
Asian	na	na	na	na	na	14	9	11	16	17	12
Asian or Pacific Islander ^b	10	15	17	15	15	na	na	na	na	na	na
Black or African American	11	8	18	10	16	13	18	23	10	10	9
Native Hawaiian or Other Pacific Islander	na	na	na	na	na	0	0	0	0	0	0
White	77	82	71	71	66	77	78	76	89	64	82
More than one race ^c	na	na	na	na	na	0	1	0	3	3	6
Other or unknown race and ethnicity	6	12	9	10	7	10	12	12	6	6	8
Temporary resident	185	235	221	221	174	195	224	256	264	243	249
Materials engineering	611	663	665	661	653	651	715	757	734	810	842
U.S. citizen and permanent resident	242	286	284	281	316	283	363	348	348	374	415
Hispanic or Latino ^a	12	9	7	10	19	9	14	16	26	26	31
Non-Hispanic or Latino	230	277	277	271	297	274	349	332	322	348	384
American Indian or Alaska Native	0	0	1	1	1	3	1	0	2	0	0
Asian	na	na	na	na	na	46	56	51	45	50	51
Asian or Pacific Islander ^b	38	55	27	32	43	na	na	na	na	na	na
Black or African American	11	8	13	15	18	10	14	20	12	8	15
Native Hawaiian or Other Pacific Islander	na	na	na	na	na	0	0	0	0	1	1
White	163	191	209	194	208	183	253	234	233	263	269
More than one race ^c	na	na	na	na	na	5	5	6	6	7	14
Other or unknown race and ethnicity	18	23	27	29	27	27	20	21	24	19	34
Temporary resident	369	377	381	380	337	368	352	409	386	436	427
Mechanical engineering	1,139	1,138	1,149	1,186	1,022	1,172	1,277	1,384	1,454	1,586	1,534
U.S. citizen and permanent resident	388	376	406	472	425	505	556	614	643	683	680
Hispanic or Latino ^a	12	13	17	28	23	31	28	34	34	35	40
Non-Hispanic or Latino	376	363	389	444	402	474	528	580	609	648	640
American Indian or Alaska Native	2	1	3	2	2	4	2	1	0	3	1
Asian	na	na	na	na	na	59	47	60	85	81	81
Asian or Pacific Islander ^b	66	52	45	50	46	na	na	na	na	na	na
Black or African American	13	16	23	19	15	13	21	29	17	21	21
Native Hawaiian or Other Pacific Islander	na	na	na	na	na	0	1	1	1	0	0
White	274	265	282	320	310	343	402	428	437	484	477
More than one race ^c	na	na	na	na	na	6	3	9	12	12	13
Other or unknown race and ethnicity	21	29	36	53	29	49	52	52	57	47	47

TABLE 7-4

Doctoral degrees awarded, by field, citizenship, ethnicity, and race: 2006–16

(Number)

Field, citizenship, ethnicity, and race	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Temporary resident	751	762	743	714	597	667	721	770	811	903	854
Other	1,242	1,437	1,580	1,600	1,670	1,902	1,892	2,143	2,246	2,268	2,308
U.S. citizen and permanent resident	608	718	811	876	955	1,063	1,065	1,208	1,309	1,304	1,336
Hispanic or Latino ^a	22	23	33	31	35	42	42	56	62	81	67
Non-Hispanic or Latino	586	695	778	845	920	1,021	1,023	1,152	1,247	1,223	1,269
American Indian or Alaska Native	1	2	3	6	1	3	2	2	6	2	6
Asian	na	na	na	na	na	181	161	191	182	207	208
Asian or Pacific Islander ^b	110	109	136	144	145	na	na	na	na	na	na
Black or African American	29	31	25	42	49	40	46	50	55	53	69
Native Hawaiian or Other Pacific Islander	na	na	na	na	na	3	1	3	4	0	1
White	393	492	545	583	620	694	708	766	879	838	815
More than one race ^c	na	na	na	na	na	9	13	16	21	24	40
Other or unknown race and ethnicity	53	61	69	70	105	91	92	124	100	99	130
Temporary resident	634	719	769	724	715	839	827	935	937	964	972
Non-S&E	25,857	28,299	28,357	28,446	24,756	25,642	26,822	27,959	28,652	29,937	30,783
U.S. citizen and permanent resident	21,934	24,293	24,323	24,459	21,189	21,914	23,055	24,015	24,874	26,188	26,773
Hispanic or Latino ^a	977	1,067	1,248	1,321	1,125	1,198	1,380	1,448	1,619	1,815	1,947
Non-Hispanic or Latino	20,957	23,226	23,075	23,138	20,064	20,716	21,675	22,567	23,255	24,373	24,826
American Indian or Alaska Native	118	127	142	162	121	124	133	154	131	147	142
Asian	na	na	na	na	na	1,052	1,176	1,258	1,222	1,349	1,323
Asian or Pacific Islander ^b	1,208	1,278	1,268	1,256	1,129	na	na	na	na	na	na
Black or African American	1,985	2,488	2,495	2,604	2,399	2,658	2,925	3,054	3,405	3,683	3,860
Native Hawaiian or Other Pacific Islander	na	na	na	na	na	22	35	47	37	50	61
White	15,868	17,374	17,122	16,974	14,392	14,707	15,169	15,798	16,125	16,659	16,900
More than one race ^c	na	na	na	na	na	155	165	246	266	343	435
Other or unknown race and ethnicity	1,778	1,959	2,048	2,142	2,023	1,998	2,072	2,010	2,069	2,142	2,105
Temporary resident	3,923	4,006	4,034	3,987	3,567	3,728	3,767	3,944	3,778	3,749	4,010

na = not applicable; data were not collected for this detail.

S&E = science and engineering.

^a Beginning in 2008, the category includes Hispanic or Latino of one or more races.^b Pacific Islander includes Native Hawaiian or Other Pacific Islander. Prior to the 2011 collection cycle, the Asian or Pacific Islander category included Asians, Native Hawaiians, and Pacific Islanders.^c In 2011, the survey required institutions to begin reporting information on more than one race, along with information in the other racial and ethnic categories, but institutions were not required to update the race and ethnicity data of individuals who were already in the system. Therefore, the number reported for more than one race for the early years following 2011 is likely to be an undercount. Prior to the 2011 collection cycle, more than one race was reported under Other or unknown race or ethnicity.**Note(s)**

Data in this table differ from doctoral degree data in this report that are based on the National Center for Science and Engineering Statistics' Survey of Earned Doctorates (SED). SED data are for research doctorates only. The greatest differences are in psychology, education, and medical and other health sciences. Before 2008, the National Center for Education Statistics (NCES) used two doctoral degree categories: doctor's and first-professional. In 2008 and 2009, NCES allowed optional reporting in three new doctoral degree categories: doctor's—research or scholarship, doctor's—professional practice, and doctor's—other. In 2010, NCES required institutions to use only the three new doctoral degree categories. With the new reporting system, degrees formerly classified as first-professional (e.g., MDs and JDs) can be reported as doctoral degrees, most often as doctor's—professional practice. In this table, data for 2008 and 2009 include only doctorates reported under the old doctor's degree category plus those reported as doctor's—research or scholarship. Data for 2010 and later include only doctorates reported as doctor's—research or scholarship. Race and ethnicity breakdowns are for U.S. citizens and permanent residents only. Temporary resident includes all racial and ethnic groups. Starting with 2011, data reflects the Office of Management and Budget's latest race and ethnicity categories. Data are based on degree-granting institutions eligible to participate in Title IV federal financial aid programs and do not match previously published data that were based on accredited higher education institutions.

Source(s)

National Science Foundation, National Center for Science and Engineering Statistics, special tabulations of U.S. Department of Education, National Center for Education Statistics, Integrated Postsecondary Education Data System, Completions Survey, unrevised provisional release data.