

TABLE 6. Doctorates awarded to U.S. citizens and permanent residents, by race/ethnicity and major field of study of recipients: 2000–10

Race/ethnicity and field	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
All fields	29,962	28,905	27,745	28,179	28,044	27,956	29,046	29,513	30,838	32,319	31,573
Science and engineering	17,137	16,375	15,562	15,769	15,778	16,045	16,865	17,322	18,530	19,715	19,983
Science	14,561	13,918	13,392	13,590	13,587	13,756	14,364	14,774	15,572	16,550	16,680
Agricultural sciences	559	508	492	565	568	558	589	629	602	670	580
Biological sciences	4,271	4,255	4,126	4,067	4,207	4,397	4,507	4,834	5,141	5,525	5,577
Computer sciences	462	429	424	447	448	468	589	640	697	734	786
Earth, atmospheric, and ocean sciences	475	412	432	452	438	444	474	552	536	559	572
Mathematics	575	529	443	517	511	543	619	603	673	772	839
Physical sciences	2,073	2,038	1,926	1,954	1,860	1,899	2,007	2,017	2,138	2,355	2,329
Astronomy	139	125	106	130	115	121	125	135	175	174	190
Chemistry	1,242	1,235	1,230	1,268	1,185	1,212	1,276	1,190	1,231	1,391	1,324
Physics	692	678	590	556	560	566	606	692	732	790	815
Psychology	3,232	2,998	2,809	2,870	2,798	2,896	2,828	2,778	2,888	2,907	2,867
Social sciences	2,914	2,749	2,740	2,718	2,757	2,551	2,751	2,721	2,897	3,028	3,130
Engineering	2,576	2,457	2,170	2,179	2,191	2,289	2,501	2,548	2,958	3,165	3,303
Aerospace, aeronautical, and astronautical engineering	127	101	93	80	77	98	91	118	122	160	141
Chemical engineering	342	332	307	282	295	306	359	310	396	410	432
Civil engineering	216	220	206	203	178	192	195	221	207	262	232
Electrical, electronics, and communications engineering	570	487	456	416	433	480	478	492	558	578	625
Industrial and manufacturing engineering	77	89	81	71	77	75	69	73	90	70	62
Materials science engineering	221	206	166	181	197	177	216	250	266	254	313
Mechanical engineering	373	392	322	318	273	301	353	334	371	421	404
Other engineering	650	630	539	628	661	660	740	750	948	1,010	1,094
Non-science and engineering	12,825	12,530	12,183	12,410	12,266	11,911	12,181	12,191	12,308	12,604	11,590
Education	5,686	5,463	5,417	5,650	5,452	5,255	5,170	5,359	5,584	5,583	4,473
Health	1,198	1,135	1,198	1,224	1,266	1,292	1,374	1,492	1,491	1,564	1,570
Humanities	4,393	4,395	4,129	4,138	4,057	3,862	4,067	3,719	3,572	3,696	3,826
Professional/other/unknown	1,548	1,537	1,439	1,398	1,491	1,502	1,570	1,621	1,661	1,761	1,721
American Indian/Alaska Native, all fields	168	152	150	137	131	140	118	143	122	146	122
Science and engineering	87	74	69	73	60	67	45	81	59	75	76
Science	79	68	63	61	54	58	41	74	52	63	70
Agricultural sciences	5	0	2	4	4	3	3	8	5	3	3
Biological sciences	17	15	12	11	14	12	6	14	20	19	14
Computer sciences	1	1	2	2	2	1	2	1	0	0	2
Earth, atmospheric, and ocean sciences	4	0	0	2	4	4	1	0	2	2	0
Mathematics	2	2	3	2	0	0	0	2	0	3	3
Physical sciences	9	12	7	2	5	4	4	6	2	4	9
Astronomy	1	1	0	0	0	0	0	0	0	0	0
Chemistry	7	11	5	2	4	2	3	4	2	4	5
Physics	1	0	2	0	1	2	1	2	0	0	4
Psychology	21	17	15	22	12	15	13	24	13	12	20
Social sciences	20	21	22	16	13	19	12	19	10	20	19
Engineering	8	6	6	12	6	9	4	7	7	12	6
Aerospace, aeronautical, and astronautical engineering	0	0	0	0	0	1	0	1	1	1	0
Chemical engineering	1	0	1	1	1	0	0	0	1	3	0
Civil engineering	1	0	0	1	3	0	0	2	0	0	1
Electrical, electronics, and communications engineering	0	1	0	4	0	3	0	1	1	2	0
Industrial and manufacturing engineering	0	0	1	0	0	0	0	0	0	1	0
Materials science engineering	0	1	1	0	0	0	0	0	0	1	0
Mechanical engineering	3	1	1	1	0	4	3	0	1	2	2
Other engineering	3	3	2	5	2	1	1	3	3	2	3
Non-science and engineering	81	78	81	64	71	73	73	62	63	71	46
Education	51	43	46	40	47	42	36	37	40	46	22
Health	4	6	3	2	3	4	7	7	5	8	5
Humanities	20	21	20	15	13	21	21	12	12	11	13
Professional/other/unknown	6	8	12	7	8	6	9	6	6	6	6

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Race/ethnicity and field	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Asian, all fields ^a	2,276	2,191	2,120	2,047	2,061	2,185	2,421	2,342	2,561	2,704	2,828
Science and engineering	1,709	1,638	1,622	1,531	1,496	1,635	1,792	1,699	1,920	1,981	2,125
Science	1,268	1,211	1,213	1,184	1,142	1,231	1,349	1,300	1,424	1,463	1,566
Agricultural sciences	36	25	29	26	31	22	30	22	37	30	32
Biological sciences	539	548	562	531	490	537	546	566	603	628	663
Computer sciences	76	65	87	81	72	92	132	107	117	125	137
Earth, atmospheric, and ocean sciences	23	27	24	22	11	18	24	10	25	20	19
Mathematics	70	51	28	51	54	67	70	70	62	84	93
Physical sciences	203	200	195	184	165	196	183	196	217	207	228
Astronomy	13	6	11	8	9	7	9	6	10	8	9
Chemistry	121	126	123	112	112	124	125	128	139	133	144
Physics	69	68	61	64	44	65	49	62	68	66	75
Psychology	145	115	120	120	153	132	175	150	148	151	170
Social sciences	176	180	168	169	166	167	189	179	215	218	224
Engineering	441	427	409	347	354	404	443	399	496	518	559
Aerospace, aeronautical, and astronautical engineering	11	11	11	7	9	9	16	8	16	15	13
Chemical engineering	53	46	63	43	55	43	57	40	50	56	59
Civil engineering	37	29	21	17	24	24	33	22	21	30	35
Electrical, electronics, and communications engineering	112	120	119	109	91	115	112	125	158	159	148
Industrial and manufacturing engineering	11	22	10	14	10	14	7	11	10	15	6
Materials science engineering	31	34	33	21	29	26	37	38	40	32	52
Mechanical engineering	71	71	63	50	43	45	53	43	36	48	49
Other engineering	115	94	89	86	93	128	128	112	165	163	197
Non-science and engineering	567	553	498	516	565	550	629	643	641	723	703
Education	174	147	139	150	155	154	178	184	211	220	200
Health	99	100	91	85	94	115	121	139	139	143	164
Humanities	176	182	171	183	206	186	208	193	165	198	176
Professional/other/unknown	118	124	97	98	110	95	122	127	126	162	163
Black or African American, all fields	1,751	1,733	1,759	1,798	1,989	1,800	1,818	1,974	2,020	2,231	2,002
Science and engineering	711	704	689	664	755	707	748	792	826	951	903
Science	630	612	604	586	661	607	645	700	715	816	763
Agricultural sciences	22	14	13	22	20	16	25	18	28	32	34
Biological sciences	118	139	126	108	150	157	148	187	193	245	216
Computer sciences	18	15	17	17	17	15	15	31	26	28	30
Earth, atmospheric, and ocean sciences	4	5	5	13	7	6	5	9	9	8	11
Mathematics	14	19	14	16	10	23	20	19	30	25	22
Physical sciences	61	55	67	54	61	55	50	83	65	74	71
Astronomy	1	1	1	1	0	2	0	1	0	0	2
Chemistry	44	42	44	41	48	41	37	62	50	62	54
Physics	16	12	22	12	13	12	13	20	15	12	15
Psychology	189	175	170	168	207	166	178	162	164	180	168
Social sciences	204	190	192	188	189	169	204	191	200	224	211
Engineering	81	92	85	78	94	100	103	92	111	135	140
Aerospace, aeronautical, and astronautical engineering	4	1	2	1	1	2	1	0	2	3	2
Chemical engineering	8	15	9	8	9	13	13	14	16	13	13
Civil engineering	5	10	13	5	6	6	13	10	6	9	14
Electrical, electronics, and communications engineering	20	21	11	19	30	24	18	20	15	28	24
Industrial and manufacturing engineering	4	6	4	4	3	8	10	5	12	6	9
Materials science engineering	5	5	4	4	6	5	8	2	16	18	16
Mechanical engineering	17	16	16	9	15	11	13	11	18	20	13
Other engineering	18	18	26	28	24	31	27	30	26	38	49
Non-science and engineering	1,040	1,029	1,070	1,134	1,234	1,093	1,070	1,182	1,194	1,280	1,099
Education	695	671	695	759	796	683	645	746	746	815	644
Health	75	64	74	78	108	122	128	115	102	142	149
Humanities	158	169	160	154	169	168	162	172	159	156	162
Professional/other/unknown	112	125	141	143	161	120	135	149	187	167	144

TABLE 6. Doctorates awarded to U.S. citizens and permanent residents, by race/ethnicity and major field of study of recipients: 2000–10

Race/ethnicity and field	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Hispanic or Latino, all fields	1,310	1,270	1,372	1,438	1,302	1,431	1,535	1,653	1,771	1,880	1,850
Science and engineering	730	673	725	749	719	805	889	931	1,085	1,100	1,155
Science	648	582	627	645	631	716	776	805	951	940	964
Agricultural sciences	29	26	21	26	16	18	29	25	24	28	29
Biological sciences	174	166	184	177	193	227	230	262	313	305	351
Computer sciences	14	8	14	11	13	12	8	18	20	20	24
Earth, atmospheric, and ocean sciences	16	9	14	15	11	18	21	20	17	25	25
Mathematics	15	15	12	17	26	24	25	23	29	36	37
Physical sciences	77	65	63	72	62	74	79	94	100	106	105
Astronomy	3	7	4	3	6	3	3	8	5	5	8
Chemistry	51	43	38	46	43	55	64	57	72	77	63
Physics	23	15	21	23	13	16	12	29	23	24	34
Psychology	211	171	184	171	172	192	215	204	277	231	193
Social sciences	112	122	135	156	138	151	169	159	171	189	200
Engineering	82	91	98	104	88	89	113	126	134	160	191
Aerospace, aeronautical, and astronautical engineering	3	5	3	4	3	6	1	7	4	11	7
Chemical engineering	16	7	16	15	11	20	22	12	21	24	26
Civil engineering	9	7	6	11	17	10	12	18	11	16	18
Electrical, electronics, and communications engineering	21	18	28	15	14	13	16	26	25	23	33
Industrial and manufacturing engineering	0	3	6	4	3	2	6	5	7	6	8
Materials science engineering	6	9	5	11	6	10	12	8	8	9	20
Mechanical engineering	11	19	12	13	10	13	7	12	17	23	23
Other engineering	16	23	22	31	24	15	37	38	41	48	56
Non-science and engineering	580	597	647	689	583	626	646	722	686	780	695
Education	285	275	321	341	273	292	296	343	351	390	276
Health	34	29	33	45	46	43	47	66	60	51	68
Humanities	208	230	242	247	207	208	228	239	194	246	267
Professional/other/unknown	53	63	51	56	57	83	75	74	81	93	84
White, all fields	23,722	22,690	21,457	21,581	21,456	21,513	22,159	22,385	23,240	24,097	23,508
Science and engineering	13,452	12,763	11,950	12,062	12,066	12,291	12,779	13,183	13,915	14,781	14,898
Science	11,561	11,003	10,469	10,496	10,516	10,680	11,047	11,369	11,820	12,574	12,635
Agricultural sciences	452	432	417	466	472	487	488	539	489	547	465
Biological sciences	3,309	3,264	3,123	3,066	3,198	3,339	3,429	3,650	3,821	4,114	4,118
Computer sciences	338	325	295	309	322	322	411	460	507	529	550
Earth, atmospheric, and ocean sciences	411	355	373	380	379	386	407	489	472	483	488
Mathematics	464	429	370	407	399	414	479	467	525	593	655
Physical sciences	1,675	1,641	1,538	1,542	1,472	1,500	1,633	1,561	1,673	1,872	1,818
Astronomy	115	106	86	104	93	101	109	113	157	155	167
Chemistry	989	976	990	1,006	924	956	1,011	900	927	1,066	1,008
Physics	571	559	462	432	455	443	513	548	589	651	643
Psychology	2,608	2,421	2,243	2,271	2,147	2,286	2,140	2,138	2,168	2,210	2,184
Social sciences	2,304	2,136	2,110	2,055	2,127	1,946	2,060	2,065	2,165	2,226	2,357
Engineering	1,891	1,760	1,481	1,566	1,550	1,611	1,732	1,814	2,095	2,207	2,263
Aerospace, aeronautical, and astronautical engineering	107	79	74	66	60	74	66	94	94	122	112
Chemical engineering	259	254	205	205	206	218	257	234	293	301	312
Civil engineering	158	160	157	163	124	145	133	161	162	202	161
Electrical, electronics, and communications engineering	397	315	277	251	277	311	309	296	336	346	389
Industrial and manufacturing engineering	59	54	56	47	56	49	45	50	58	39	35
Materials science engineering	172	151	117	139	149	133	149	188	195	179	212
Mechanical engineering	259	273	215	233	192	220	259	254	286	310	300
Other engineering	480	474	380	462	486	461	514	537	671	708	742
Non-science and engineering	10,270	9,927	9,507	9,519	9,390	9,222	9,380	9,202	9,325	9,316	8,610
Education	4,375	4,210	4,055	4,161	4,026	3,962	3,879	3,920	4,094	3,944	3,178
Health	961	909	970	966	970	972	1,034	1,109	1,148	1,173	1,132
Humanities	3,705	3,636	3,386	3,349	3,301	3,137	3,298	2,964	2,890	2,931	3,032
Professional/other/unknown	1,229	1,172	1,096	1,043	1,093	1,151	1,169	1,209	1,193	1,268	1,268

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Race/ethnicity and field	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Two or more races, all fields	na	307	274	366	389	399	469	508	521	656	670
Science and engineering	na	186	142	218	227	244	297	320	327	430	442
Science	na	160	123	203	204	213	252	274	282	371	376
Agricultural sciences	na	3	4	5	6	7	5	9	6	13	7
Biological sciences	na	45	29	62	59	57	79	83	97	119	117
Computer sciences	na	6	1	9	8	12	10	8	8	17	19
Earth, atmospheric, and ocean sciences	na	8	7	8	7	4	5	10	4	8	11
Mathematics	na	3	6	10	8	3	11	6	5	15	15
Physical sciences	na	21	15	24	31	32	23	33	37	40	52
Astronomy	na	3	1	6	2	3	3	3	3	4	2
Chemistry	na	10	6	14	17	20	14	17	17	24	27
Physics	na	8	8	4	12	9	6	13	17	12	23
Psychology	na	45	29	45	43	51	64	60	69	80	85
Social sciences	na	29	32	40	42	47	55	65	56	79	70
Engineering	na	26	19	15	23	31	45	46	45	59	66
Aerospace, aeronautical, and astronautical engineering	na	2	1	0	2	2	2	4	0	2	3
Chemical engineering	na	3	2	3	2	7	6	2	7	6	9
Civil engineering	na	3	1	0	2	3	1	4	4	1	2
Electrical, electronics, and communications engineering	na	3	5	3	4	3	9	9	9	8	13
Industrial and manufacturing engineering	na	0	0	0	2	1	1	0	3	1	3
Materials science engineering	na	2	3	2	1	1	3	9	2	7	7
Mechanical engineering	na	7	2	3	3	3	6	5	4	8	7
Other engineering	na	6	5	4	7	11	17	13	16	26	22
Non-science and engineering	na	121	132	148	162	155	172	188	194	226	228
Education	na	47	52	63	61	58	59	77	66	90	81
Health	na	8	8	15	17	16	12	22	21	27	32
Humanities	na	48	61	55	59	63	79	66	82	77	85
Professional/other/unknown	na	18	11	15	25	18	22	23	25	32	30
Other/unknown, all fields ^b	735	562	613	812	716	488	526	508	603	605	593
Science and engineering	448	337	365	472	455	296	315	316	398	397	384
Science	375	282	293	415	379	251	254	252	328	323	306
Agricultural sciences	15	8	6	16	19	5	9	8	13	17	10
Biological sciences	114	78	90	112	103	68	69	72	94	95	98
Computer sciences	15	9	8	18	14	14	11	15	19	15	24
Earth, atmospheric, and ocean sciences	17	8	9	12	19	8	11	14	7	13	18
Mathematics	10	10	10	14	14	12	14	16	22	16	14
Physical sciences	48	44	41	76	64	38	35	44	44	52	46
Astronomy	6	1	3	8	5	5	1	4	0	2	2
Chemistry	30	27	24	47	37	14	22	22	24	25	23
Physics	12	16	14	21	22	19	12	18	20	25	21
Psychology	58	54	48	73	64	54	43	40	49	43	47
Social sciences	98	71	81	94	82	52	62	43	80	72	49
Engineering	73	55	72	57	76	45	61	64	70	74	78
Aerospace, aeronautical, and astronautical engineering	2	3	2	2	2	4	5	4	5	6	4
Chemical engineering	5	7	11	7	11	5	4	8	8	7	13
Civil engineering	6	11	8	6	2	4	3	4	3	4	1
Electrical, electronics, and communications engineering	20	9	16	15	17	11	14	15	14	12	18
Industrial and manufacturing engineering	3	4	4	2	3	1	0	2	0	2	1
Materials science engineering	7	4	3	4	6	2	7	5	5	8	6
Mechanical engineering	12	5	13	9	10	5	12	9	9	10	10
Other engineering	18	12	15	12	25	13	16	17	26	25	25
Non-science and engineering	287	225	248	340	261	192	211	192	205	208	209
Education	106	70	109	136	94	64	77	52	76	78	72

TABLE 6. Doctorates awarded to U.S. citizens and permanent residents, by race/ethnicity and major field of study of recipients: 2000–10

Race/ethnicity and field	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Health	25	19	19	33	28	20	25	34	16	20	20
Humanities	126	109	89	135	102	79	71	73	70	77	91
Professional/other/unknown	30	27	31	36	37	29	38	33	43	33	26

na = not applicable; respondents were instructed to indicate only one race.

^a Native Hawaiians and Other Pacific Islanders are included in counts only through 2000; after 2000, these groups were included in Other/unknown.

^b Before 2001 this category included only doctorate recipients who are not Hispanic and did not indicate their race, respondents selecting two or more races, and doctorate recipients with unknown race and ethnicity; since 2001 this category has included doctorate recipients who are not Hispanic and did not indicate their race, Native Hawaiians or Other Pacific Islanders, and doctorate recipients with unknown race and ethnicity.

NOTES: 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.