

TABLE 7. Doctorates awarded to male 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	15,310	14,688	13,781	13,925	13,769	13,591	14,273	14,246	14,772	15,504	15,260
Science and engineering	9,996	9,477	8,840	8,922	8,910	8,895	9,327	9,476	10,069	10,603	10,826
Science	7,912	7,499	7,114	7,183	7,192	7,086	7,407	7,533	7,865	8,257	8,384
Agricultural sciences	364	311	310	363	341	334	361	369	345	358	291
Biological sciences	2,283	2,279	2,202	2,146	2,195	2,226	2,264	2,418	2,514	2,569	2,574
Computer sciences	374	331	326	348	346	366	457	510	521	580	608
Earth, atmospheric, and ocean sciences	330	273	269	298	263	279	296	316	319	330	323
Mathematics	410	374	309	365	357	391	448	424	453	540	589
Physical sciences	1,533	1,512	1,395	1,391	1,359	1,338	1,427	1,409	1,519	1,604	1,585
Astronomy	104	95	85	100	82	87	87	101	127	116	126
Chemistry	820	826	811	849	803	767	833	746	793	848	812
Physics	609	591	499	442	474	484	507	562	599	640	647
Psychology	1,053	981	920	897	899	901	791	794	830	817	871
Social sciences	1,565	1,438	1,383	1,375	1,432	1,251	1,363	1,293	1,364	1,459	1,543
Engineering	2,084	1,978	1,726	1,739	1,718	1,809	1,920	1,943	2,204	2,346	2,442
Aerospace, aeronautical, and astronautical engineering	113	83	82	69	67	87	79	101	109	138	119
Chemical engineering	250	251	230	212	222	230	258	232	272	294	295
Civil engineering	172	173	157	157	135	141	147	174	149	193	154
Electrical, electronics, and communications engineering	496	433	395	364	373	409	420	413	465	483	518
Industrial and manufacturing engineering	59	61	49	49	57	58	40	44	55	44	39
Materials science engineering	173	152	122	137	162	129	159	181	198	170	222
Mechanical engineering	321	356	279	281	233	260	291	289	304	347	341
Other engineering	500	469	412	470	469	495	526	509	652	677	754
Non-science and engineering	5,314	5,211	4,941	5,003	4,859	4,696	4,946	4,770	4,703	4,901	4,434
Education	1,926	1,898	1,809	1,863	1,802	1,691	1,781	1,731	1,799	1,844	1,386
Health	342	333	338	351	346	363	375	387	381	402	390
Humanities	2,217	2,161	2,082	2,082	1,993	1,935	2,046	1,934	1,745	1,801	1,852
Professional/other/unknown	829	819	712	707	718	707	744	718	778	854	806
American Indian/Alaska Native, all fields	76	69	69	53	58	58	56	64	51	62	60
Science and engineering	43	42	36	34	33	35	25	43	27	35	45
Science	39	38	30	25	29	27	21	37	22	28	40
Agricultural sciences	4	0	2	3	2	1	1	5	4	2	3
Biological sciences	10	8	6	3	10	6	4	4	5	9	6
Computer sciences	1	1	2	2	2	1	2	1	0	0	2
Earth, atmospheric, and ocean sciences	3	0	0	1	4	1	1	0	1	1	0
Mathematics	1	1	2	1	0	0	0	1	0	3	3
Physical sciences	7	10	7	1	4	4	3	6	2	4	8
Astronomy	0	1	0	0	0	0	0	0	0	0	0
Chemistry	6	9	5	1	4	2	2	4	2	4	4
Physics	1	0	2	0	0	2	1	2	0	0	4
Psychology	3	5	7	8	3	6	3	8	6	3	9
Social sciences	10	13	4	6	4	8	7	12	4	6	9
Engineering	4	4	6	9	4	8	4	6	5	7	5
Aerospace, aeronautical, and astronautical engineering	0	0	0	0	0	1	0	1	0	1	0
Chemical engineering	0	0	1	0	0	0	0	0	1	2	0
Civil engineering	0	0	0	1	2	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	0	0
Materials science engineering	0	1	1	0	0	0	0	0	0	0	0
Mechanical engineering	2	1	1	0	0	3	3	0	1	1	1
Other engineering	2	1	2	4	2	1	1	2	2	1	3
Non-science and engineering	33	27	33	19	25	23	31	21	24	27	15
Education	17	12	16	9	14	8	15	12	14	14	5
Health	1	2	0	1	0	2	4	3	0	4	1
Humanities	11	9	12	7	8	10	8	4	8	6	7
Professional/other/unknown	4	4	5	2	3	3	4	2	2	3	2

TABLE 7. Doctorates awarded to male 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
Asian, all fields <sup>a</sup>	1,242	1,188	1,128	1,079	1,004	1,073	1,159	1,074	1,152	1,210	1,259
Science and engineering	1,028	954	942	885	817	887	953	877	955	978	1,032
Science	697	625	632	619	547	583	642	593	627	625	670
Agricultural sciences	24	12	14	10	8	9	15	8	12	14	11
Biological sciences	276	281	271	277	230	251	265	244	262	251	260
Computer sciences	61	44	61	64	53	65	88	76	76	93	96
Earth, atmospheric, and ocean sciences	14	20	14	14	7	9	11	3	10	4	7
Mathematics	49	34	23	27	37	39	38	39	35	46	44
Physical sciences	132	127	134	112	111	130	104	115	128	108	130
Astronomy	9	6	11	5	5	5	5	2	7	6	6
Chemistry	67	65	73	62	70	74	65	65	74	59	72
Physics	56	56	50	45	36	51	34	48	47	43	52
Psychology	46	25	38	38	26	26	49	26	22	28	38
Social sciences	95	82	77	77	75	54	72	82	82	81	84
Engineering	331	329	310	266	270	304	311	284	328	353	362
Aerospace, aeronautical, and astronautical engineering	11	8	9	5	8	9	13	8	11	12	9
Chemical engineering	35	31	45	34	37	29	36	29	25	35	34
Civil engineering	27	24	15	15	19	18	24	18	13	18	19
Electrical, electronics, and communications engineering	92	96	96	88	75	95	91	93	118	127	111
Industrial and manufacturing engineering	9	16	8	11	7	12	3	8	7	9	3
Materials science engineering	21	25	23	15	21	16	22	29	23	19	33
Mechanical engineering	55	64	48	41	39	39	38	33	28	37	40
Other engineering	81	65	66	57	64	86	84	66	103	96	113
Non-science and engineering	214	234	186	194	187	186	206	197	197	232	227
Education	53	44	40	41	37	44	44	45	52	48	48
Health	36	36	20	36	30	30	31	32	44	47	47
Humanities	63	76	70	66	77	67	78	70	55	65	60
Professional/other/unknown	62	78	56	51	43	45	53	50	46	72	72
Black or African American, all fields	643	678	677	652	720	662	667	712	727	813	723
Science and engineering	319	329	316	285	332	311	309	363	351	390	369
Science	262	262	259	226	272	237	248	302	282	300	273
Agricultural sciences	11	8	8	14	9	4	17	9	12	14	11
Biological sciences	44	55	57	44	61	57	57	72	74	90	71
Computer sciences	13	5	10	12	12	7	11	20	15	21	20
Earth, atmospheric, and ocean sciences	3	3	5	6	6	5	3	8	6	4	7
Mathematics	7	12	6	11	7	15	12	15	16	13	13
Physical sciences	40	35	39	35	36	38	30	53	35	35	38
Astronomy	0	1	0	1	0	2	0	1	0	0	0
Chemistry	25	23	22	27	28	26	19	34	23	25	28
Physics	15	11	17	7	8	10	11	18	12	10	10
Psychology	45	51	42	42	50	40	35	49	33	41	29
Social sciences	99	93	92	62	91	71	83	76	91	82	84
Engineering	57	67	57	59	60	74	61	61	69	90	96
Aerospace, aeronautical, and astronautical engineering	3	1	2	1	1	2	1	0	1	3	2
Chemical engineering	3	6	4	5	3	6	6	9	9	11	8
Civil engineering	4	10	9	5	4	2	9	9	4	7	12
Electrical, electronics, and communications engineering	18	20	8	15	22	18	14	17	11	20	20
Industrial and manufacturing engineering	4	3	3	2	2	7	4	2	5	3	5
Materials science engineering	4	1	2	3	3	5	6	1	10	7	10
Mechanical engineering	12	15	12	8	12	11	9	9	16	18	10
Other engineering	9	11	17	20	13	23	12	14	13	21	29
Non-science and engineering	324	349	361	367	388	351	358	349	376	423	354
Education	187	211	212	234	235	195	209	211	221	253	200
Health	14	12	16	17	27	31	27	17	19	29	30
Humanities	70	66	73	61	71	81	74	72	70	69	69
Professional/other/unknown	53	60	60	55	55	44	48	49	66	72	55

TABLE 7. Doctorates awarded to male 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	609	569	602	669	596	606	695	736	747	853	818
Science and engineering	379	337	346	381	355	394	434	453	506	540	556
Science	310	269	273	300	288	334	354	369	418	425	431
Agricultural sciences	18	12	13	15	5	8	14	9	14	11	9
Biological sciences	82	89	70	96	84	114	117	129	146	139	156
Computer sciences	11	4	12	6	10	9	4	16	14	15	16
Earth, atmospheric, and ocean sciences	13	4	12	9	6	10	10	7	7	15	15
Mathematics	8	10	8	10	19	18	15	17	24	24	30
Physical sciences	52	43	41	50	38	42	49	63	63	66	59
Astronomy	2	6	3	2	4	1	2	5	3	2	6
Chemistry	30	26	20	28	22	26	37	36	42	44	26
Physics	20	11	18	20	12	15	10	22	18	20	27
Psychology	59	46	55	54	56	62	54	55	74	60	53
Social sciences	67	61	62	60	70	71	91	73	76	95	93
Engineering	69	68	73	81	67	60	80	84	88	115	125
Aerospace, aeronautical, and astronautical engineering	3	5	3	4	3	5	1	6	4	10	4
Chemical engineering	13	2	9	11	7	14	11	5	13	12	14
Civil engineering	8	6	6	7	14	8	9	12	8	11	10
Electrical, electronics, and communications engineering	20	17	25	12	12	11	15	22	21	22	28
Industrial and manufacturing engineering	0	0	2	3	3	1	3	2	3	3	4
Materials science engineering	3	4	3	8	5	3	8	5	5	5	12
Mechanical engineering	10	19	7	12	8	7	6	10	10	18	18
Other engineering	12	15	18	24	15	11	27	22	24	34	35
Non-science and engineering	230	232	256	288	241	212	261	283	241	313	262
Education	99	91	104	119	96	83	95	103	110	137	92
Health	10	8	9	11	9	13	13	24	19	19	16
Humanities	98	98	117	132	104	83	117	120	79	114	115
Professional/other/unknown	23	35	26	26	32	33	36	36	33	43	39
White, all fields	12,314	11,706	10,837	10,842	10,795	10,753	11,190	11,151	11,496	11,919	11,798
Science and engineering	7,937	7,497	6,897	6,914	6,954	6,967	7,250	7,384	7,800	8,196	8,383
Science	6,380	6,055	5,693	5,650	5,722	5,652	5,873	5,959	6,179	6,508	6,632
Agricultural sciences	294	274	266	307	300	306	306	327	294	301	247
Biological sciences	1,799	1,773	1,730	1,616	1,726	1,731	1,741	1,887	1,922	1,979	1,990
Computer sciences	275	265	235	244	252	264	331	377	394	425	440
Earth, atmospheric, and ocean sciences	287	232	233	256	227	247	258	285	287	291	276
Mathematics	338	309	259	297	274	308	368	335	356	432	480
Physical sciences	1,261	1,247	1,128	1,118	1,091	1,071	1,198	1,117	1,227	1,317	1,282
Astronomy	89	78	68	80	67	73	77	88	114	105	112
Chemistry	666	678	669	689	638	617	685	581	623	679	649
Physics	506	491	391	349	386	381	436	448	490	533	521
Psychology	882	821	753	715	735	732	620	630	659	647	700
Social sciences	1,244	1,134	1,089	1,097	1,117	993	1,051	1,001	1,040	1,116	1,217
Engineering	1,557	1,442	1,204	1,264	1,232	1,315	1,377	1,425	1,621	1,688	1,751
Aerospace, aeronautical, and astronautical engineering	94	65	66	58	53	66	57	79	88	106	99
Chemical engineering	196	202	160	155	164	174	197	182	212	225	225
Civil engineering	127	120	121	123	93	108	103	128	119	155	109
Electrical, electronics, and communications engineering	348	287	247	230	244	274	278	260	292	299	335
Industrial and manufacturing engineering	43	38	33	32	40	37	30	31	37	27	25
Materials science engineering	139	116	89	107	127	104	114	137	154	128	159
Mechanical engineering	230	247	196	209	163	193	219	225	239	258	258
Other engineering	380	367	292	350	348	359	379	383	480	490	541
Non-science and engineering	4,377	4,209	3,940	3,928	3,841	3,786	3,940	3,767	3,696	3,723	3,415
Education	1,536	1,500	1,375	1,389	1,371	1,317	1,375	1,319	1,350	1,336	1,002
Health	270	266	284	269	266	274	285	295	289	283	283
Humanities	1,900	1,827	1,732	1,724	1,658	1,636	1,699	1,600	1,462	1,465	1,516
Professional/other/unknown	671	616	549	546	546	559	581	553	595	639	614

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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	139	112	165	171	167	208	210	234	304	270
Science and engineering	na	94	74	113	114	115	152	145	159	212	192
Science	na	74	57	102	97	102	119	115	126	177	150
Agricultural sciences	na	2	2	3	3	3	3	4	4	6	3
Biological sciences	na	23	14	35	27	29	39	42	43	56	45
Computer sciences	na	4	1	7	6	9	10	5	6	13	14
Earth, atmospheric, and ocean sciences	na	6	2	4	1	2	4	2	3	5	5
Mathematics	na	3	4	6	7	2	5	5	3	8	8
Physical sciences	na	12	12	15	26	19	15	18	26	27	32
Astronomy	na	2	1	5	2	1	2	2	3	1	0
Chemistry	na	3	3	8	14	11	7	9	11	16	15
Physics	na	7	8	2	10	7	6	7	12	10	17
Psychology	na	13	9	13	8	15	18	13	15	25	21
Social sciences	na	11	13	19	19	23	25	26	26	37	22
Engineering	na	20	17	11	17	13	33	30	33	35	42
Aerospace, aeronautical, and astronautical engineering	na	1	0	0	1	2	2	3	0	2	1
Chemical engineering	na	3	2	1	2	3	4	0	5	4	4
Civil engineering	na	3	1	0	1	2	0	2	2	0	2
Electrical, electronics, and communications engineering	na	3	5	2	3	0	9	6	9	5	12
Industrial and manufacturing engineering	na	0	0	0	2	0	0	0	3	1	1
Materials science engineering	na	2	2	1	1	0	3	5	1	3	4
Mechanical engineering	na	5	2	3	2	2	5	4	2	5	5
Other engineering	na	3	5	4	5	4	10	10	11	15	13
Non-science and engineering	na	45	38	52	57	52	56	65	75	92	78
Education	na	15	12	21	13	19	14	24	21	33	23
Health	na	2	2	4	6	6	3	4	4	12	8
Humanities	na	18	23	21	24	20	33	28	39	35	35
Professional/other/unknown	na	10	1	6	14	7	6	9	11	12	12
Other/unknown, all fields <sup>b</sup>	426	339	356	465	425	272	298	299	365	343	332
Science and engineering	290	224	229	310	305	186	204	211	271	252	249
Science	224	176	170	261	237	151	150	158	211	194	188
Agricultural sciences	13	3	5	11	14	3	5	7	5	10	7
Biological sciences	72	50	54	75	57	38	41	40	62	45	46
Computer sciences	13	8	5	13	11	11	11	15	16	13	20
Earth, atmospheric, and ocean sciences	10	8	3	8	12	5	9	11	5	10	13
Mathematics	7	5	7	13	13	9	10	12	19	14	11
Physical sciences	41	38	34	60	53	34	28	37	38	47	36
Astronomy	4	1	2	7	4	5	1	3	0	2	2
Chemistry	26	22	19	34	27	11	18	17	18	21	18
Physics	11	15	13	19	22	18	9	17	20	24	16
Psychology	18	20	16	27	21	20	12	13	21	13	21
Social sciences	50	44	46	54	56	31	34	23	45	42	34
Engineering	66	48	59	49	68	35	54	53	60	58	61
Aerospace, aeronautical, and astronautical engineering	2	3	2	1	1	2	5	4	5	4	4
Chemical engineering	3	7	9	6	9	4	4	7	7	5	10
Civil engineering	6	10	5	6	2	3	2	3	3	2	1
Electrical, electronics, and communications engineering	18	9	14	13	17	8	13	14	13	8	12
Industrial and manufacturing engineering	3	4	2	1	3	1	0	1	0	1	1
Materials science engineering	6	3	2	3	5	1	6	4	5	8	4
Mechanical engineering	12	5	13	8	9	5	11	8	8	10	9
Other engineering	16	7	12	11	22	11	13	12	19	20	20
Non-science and engineering	136	115	127	155	120	86	94	88	94	91	83
Education	34	25	50	50	36	25	29	17	31	23	16

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Race/ethnicity and field	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Health	11	7	7	13	8	7	12	12	6	8	5
Humanities	75	67	55	71	51	38	37	40	32	47	50
Professional/other/unknown	16	16	15	21	25	16	16	19	25	13	12

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

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

<sup>b</sup> 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.