

TABLE 5. Doctorates awarded to U.S. citizens or permanent residents, by race/ethnicity and major field of study of recipients: 1995–2004

Race/ethnicity and field	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
All fields	32,060	31,540	31,082	31,159	30,294	29,929	28,878	27,661	28,119	27,959
Science and engineering	18,997	18,647	18,393	18,257	17,567	17,114	16,346	15,512	15,715	15,721
Science	15,655	15,258	15,061	15,213	14,678	14,543	13,900	13,348	13,545	13,539
Agricultural sciences	666	628	619	591	561	559	504	491	561	563
Biological sciences	4,329	4,364	4,256	4,308	4,124	4,268	4,243	4,112	4,056	4,187
Computer sciences	616	514	520	561	493	457	423	419	443	448
Earth, atmospheric, and ocean sciences	526	505	538	514	459	453	395	424	429	426
Mathematics	771	648	629	669	605	574	524	442	517	510
Physical sciences	2,841	2,571	2,497	2,455	2,277	2,092	2,045	1,940	1,970	1,866
Astronomy	141	149	158	147	117	139	123	109	131	115
Chemistry	1,624	1,463	1,439	1,467	1,406	1,241	1,230	1,230	1,265	1,180
Physics	1,059	949	883	823	742	692	677	589	552	559
Other physical sciences	17	10	17	18	12	20	15	12	22	12
Psychology	3,184	3,233	3,125	3,275	3,292	3,231	3,033	2,795	2,857	2,789
Social sciences	2,722	2,795	2,877	2,840	2,867	2,909	2,733	2,725	2,712	2,750
Engineering	3,342	3,389	3,332	3,044	2,889	2,571	2,446	2,164	2,170	2,182
Chemical engineering	381	391	409	374	371	382	361	336	292	312
Civil engineering	309	305	327	297	312	261	269	247	269	224
Electrical engineering	971	929	940	804	766	648	560	507	498	498
Mechanical engineering	563	588	538	515	464	396	428	342	332	299
Other engineering	1,118	1,176	1,118	1,054	976	884	828	732	779	849
Non-science and engineering	13,063	12,893	12,689	12,902	12,727	12,815	12,532	12,149	12,404	12,238
Education	5,995	6,075	5,747	5,745	5,814	5,681	5,450	5,398	5,643	5,417
Health	1,043	1,016	1,028	1,154	1,049	1,195	1,158	1,194	1,229	1,271
Humanities	4,056	4,047	4,235	4,327	4,292	4,391	4,379	4,115	4,134	4,051
Professional/other/unknown	1,969	1,755	1,679	1,676	1,572	1,548	1,545	1,442	1,398	1,499
American Indian/Alaska Native, all fields	148	186	167	189	214	169	150	150	137	131
Science and engineering	68	95	79	96	114	88	73	70	73	61
Science	59	81	62	83	102	80	67	63	61	55
Agricultural sciences	2	7	5	9	1	5	0	2	4	4
Biological sciences	15	20	7	12	20	17	15	12	11	14
Computer sciences	0	4	1	4	1	1	1	2	2	2
Earth, atmospheric, and ocean sciences	0	1	2	3	6	4	0	0	2	4
Mathematics	2	1	1	3	1	2	2	3	2	0
Physical sciences	8	6	10	9	9	9	12	7	2	5
Astronomy	0	0	1	1	1	1	1	0	0	0
Chemistry	6	4	6	7	5	7	11	5	2	4
Physics	2	2	2	1	3	1	0	2	0	1
Other physical sciences	0	0	1	0	0	0	0	0	0	0
Psychology	14	17	18	31	35	22	17	15	22	13
Social sciences	18	25	18	12	29	20	20	22	16	13
Engineering	9	14	17	13	12	8	6	7	12	6
Chemical engineering	2	1	4	3	2	1	1	2	1	2
Civil engineering	0	2	2	0	2	1	0	0	1	3
Electrical engineering	1	2	5	3	1	0	1	0	5	1
Mechanical engineering	2	3	6	2	2	3	1	1	1	0
Other engineering	4	6	0	5	5	3	3	4	4	0
Non-science and engineering	80	91	88	93	100	81	77	80	64	70
Education	41	60	51	50	58	51	42	46	40	46
Health	9	4	6	4	6	4	6	3	2	3
Humanities	18	18	19	21	21	20	21	20	15	13
Professional/other/unknown	12	9	12	18	15	6	8	11	7	8
Asian, all fields <sup>a</sup>	4,297	3,674	3,109	2,707	2,495	2,272	2,173	2,109	2,025	2,054
Science and engineering	3,659	3,079	2,529	2,135	1,932	1,706	1,617	1,616	1,511	1,491
Science	2,627	2,183	1,822	1,581	1,420	1,267	1,195	1,208	1,171	1,137
Agricultural sciences	84	87	73	54	50	36	23	29	25	31

TABLE 5. Doctorates awarded to U.S. citizens or permanent residents, by race/ethnicity and major field of study of recipients: 1995–2004

Race/ethnicity and field	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Biological sciences	920	885	721	657	608	539	546	561	526	488
Computer sciences	137	111	107	90	87	76	61	86	80	72
Earth, atmospheric, and ocean sciences	98	70	60	44	35	22	27	24	21	11
Mathematics	207	140	97	71	56	70	48	28	51	54
Physical sciences	749	501	400	331	252	203	197	194	183	162
Astronomy	22	12	8	13	3	13	6	13	8	8
Chemistry	415	295	234	206	183	121	123	122	112	110
Physics	311	193	157	111	66	68	68	59	62	44
Other physical sciences	1	1	1	1	0	1	0	0	1	0
Psychology	121	121	126	113	132	145	116	119	118	153
Social sciences	311	268	238	221	200	176	177	167	167	166
Engineering	1,032	896	707	554	512	439	422	408	340	354
Chemical engineering	101	80	73	65	58	69	53	70	46	58
Civil engineering	91	89	72	38	46	43	37	29	20	35
Electrical engineering	322	276	256	205	172	141	133	130	130	109
Mechanical engineering	188	166	113	89	88	72	75	70	50	47
Other engineering	330	285	193	157	148	114	124	109	94	105
Non-science and engineering	638	595	580	572	563	566	556	493	514	563
Education	179	180	180	177	166	173	146	138	150	155
Health	93	87	87	83	87	99	107	91	86	94
Humanities	192	187	179	192	193	176	181	168	181	204
Professional/other/unknown	174	141	134	120	117	118	122	96	97	110
Black/African American, all fields	1,461	1,446	1,474	1,604	1,763	1,748	1,732	1,750	1,799	1,971
Science and engineering	550	572	615	644	715	710	703	685	664	746
Science	480	498	517	563	617	629	611	600	587	652
Agricultural sciences	19	26	26	22	27	22	14	13	22	20
Biological sciences	107	98	112	111	116	118	139	124	108	148
Computer sciences	11	12	4	14	19	18	15	17	17	17
Earth, atmospheric, and ocean sciences	1	2	6	5	11	3	5	5	11	7
Mathematics	5	8	7	16	12	14	19	14	16	10
Physical sciences	42	59	51	56	66	62	55	67	57	59
Astronomy	1	0	2	1	2	1	1	1	1	0
Chemistry	33	45	35	45	56	44	42	44	42	46
Physics	8	14	14	10	8	16	12	22	12	13
Other physical sciences	0	0	0	0	0	1	0	0	2	0
Psychology	149	152	152	158	172	189	174	171	169	204
Social sciences	146	141	159	181	194	203	190	189	187	187
Engineering	70	74	98	81	98	81	92	85	77	94
Chemical engineering	3	12	16	3	11	8	17	12	9	10
Civil engineering	11	8	10	9	6	6	11	13	9	7
Electrical engineering	24	22	31	23	30	21	22	16	21	33
Mechanical engineering	13	10	12	13	12	18	17	17	9	18
Other engineering	19	22	29	33	39	28	25	27	29	26
Non-science and engineering	911	874	859	960	1,048	1,038	1,029	1,065	1,135	1,225
Education	623	607	553	655	689	693	670	692	758	787
Health	60	48	55	65	57	75	64	72	79	107
Humanities	115	116	141	139	164	158	168	160	154	169
Professional/other/unknown	113	103	110	101	138	112	127	141	144	162
Hispanic, all fields <sup>b</sup>	1,064	1,113	1,198	1,327	1,324	1,308	1,272	1,369	1,426	1,297
Science and engineering	573	626	658	754	722	729	674	724	741	715
Science	496	527	562	644	639	647	583	627	638	627
Agricultural sciences	24	13	27	35	16	29	26	21	25	16
Biological sciences	127	131	146	168	175	173	165	182	176	191
Computer sciences	6	16	16	15	14	14	8	14	10	13
Earth, atmospheric, and ocean sciences	10	19	15	16	20	15	9	14	15	11
Mathematics	15	11	20	27	15	15	15	12	16	26

TABLE 5. Doctorates awarded to U.S. citizens or permanent residents, by race/ethnicity and major field of study of recipients: 1995–2004

Race/ethnicity and field	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Physical sciences	73	67	69	54	63	78	65	64	72	62
Astronomy	4	2	3	2	1	3	7	4	3	6
Chemistry	43	36	44	34	46	51	43	38	45	43
Physics	26	29	22	18	16	23	15	22	24	13
Other physical sciences	0	0	0	0	0	1	0	0	0	0
Psychology	146	173	171	208	215	211	175	185	170	170
Social sciences	95	97	98	121	121	112	120	135	154	138
Engineering	77	99	96	110	83	82	91	97	103	88
Chemical engineering	13	19	7	13	7	18	7	16	16	12
Civil engineering	11	6	12	16	12	9	9	8	13	20
Electrical engineering	15	27	26	31	30	22	22	31	23	15
Mechanical engineering	8	13	14	19	9	12	21	12	13	10
Other engineering	30	34	37	31	25	21	32	30	38	31
Non-science and engineering	491	487	540	573	602	579	598	645	685	582
Education	258	218	257	290	303	284	275	320	338	271
Health	30	38	32	37	46	34	30	33	44	47
Humanities	154	178	208	198	197	208	230	241	247	207
Professional/other/unknown	49	53	43	48	56	53	63	51	56	57
Mexican American, all fields	291	293	306	424	350	415	403	414	481	455
Science and engineering	151	149	161	223	164	214	187	188	223	231
Science	132	121	143	193	151	188	169	171	204	207
Agricultural sciences	5	2	2	10	3	7	5	7	8	6
Biological sciences	28	28	44	54	41	46	47	53	54	58
Computer sciences	3	1	2	3	1	4	2	3	3	3
Earth, atmospheric, and ocean sciences	3	5	3	5	5	4	4	4	0	3
Mathematics	6	2	3	6	7	8	6	2	5	8
Physical sciences	13	23	15	21	16	23	16	16	26	21
Astronomy	1	1	0	1	0	1	3	1	1	2
Chemistry	8	15	9	15	9	17	7	7	19	14
Physics	4	7	6	5	7	5	6	8	6	5
Other physical sciences	0	0	0	0	0	0	0	0	0	0
Psychology	48	38	49	53	43	61	56	51	52	52
Social sciences	26	22	25	41	35	35	33	35	56	56
Engineering	19	28	18	30	13	26	18	17	19	24
Chemical engineering	3	4	3	1	0	4	0	3	4	3
Civil engineering	7	2	2	5	3	4	1	1	1	5
Electrical engineering	3	9	5	7	4	4	8	4	3	5
Mechanical engineering	2	4	2	3	1	6	4	3	2	0
Other engineering	4	9	6	14	5	8	5	6	9	11
Non-science and engineering	140	144	145	201	186	201	216	226	258	224
Education	93	79	90	116	103	115	116	140	159	129
Health	8	6	7	15	16	11	7	9	13	9
Humanities	34	41	38	59	49	62	70	65	66	70
Professional/other/unknown	5	18	10	11	18	13	23	12	20	16
Puerto Rican, all fields	269	252	313	308	335	329	303	345	261	258
Science and engineering	137	142	171	173	184	185	155	196	148	139
Science	124	120	148	156	161	165	142	170	129	120
Agricultural sciences	4	4	4	3	1	6	6	9	3	4
Biological sciences	30	32	36	43	47	33	48	56	35	50
Computer sciences	0	5	6	2	6	5	1	4	2	4
Earth, atmospheric, and ocean sciences	1	3	6	5	5	5	1	3	4	5
Mathematics	1	3	4	7	2	2	2	3	3	2
Physical sciences	21	12	20	11	22	20	14	20	17	16
Astronomy	1	0	0	1	0	0	0	1	1	0
Chemistry	17	9	13	9	18	19	11	11	14	15

TABLE 5. Doctorates awarded to U.S. citizens or permanent residents, by race/ethnicity and major field of study of recipients: 1995–2004

Race/ethnicity and field	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Physics	3	3	7	1	4	1	3	8	2	1
Other physical sciences	0	0	0	0	0	0	0	0	0	0
Psychology	44	48	56	71	57	74	45	50	47	19
Social sciences	23	13	16	14	21	20	25	25	18	20
Engineering	13	22	23	17	23	20	13	26	19	19
Chemical engineering	4	4	1	3	2	5	2	8	4	1
Civil engineering	1	1	5	1	2	2	2	1	4	7
Electrical engineering	3	4	4	3	11	6	2	7	4	4
Mechanical engineering	1	3	6	5	2	2	1	3	2	3
Other engineering	4	10	7	5	6	5	6	7	5	4
Non-science and engineering	132	110	142	135	151	144	148	149	113	119
Education	69	52	72	77	90	75	88	79	52	56
Health	12	7	10	7	11	9	5	9	4	16
Humanities	30	38	49	37	31	44	41	51	42	35
Professional/other/unknown	21	13	11	14	19	16	14	10	15	12
Other Hispanic, all fields	504	568	579	595	639	564	566	610	684	584
Science and engineering	285	335	326	358	374	330	332	340	370	345
Science	240	286	271	295	327	294	272	286	305	300
Agricultural sciences	15	7	21	22	12	16	15	5	14	6
Biological sciences	69	71	66	71	87	94	70	73	87	83
Computer sciences	3	10	8	10	7	5	5	7	5	6
Earth, atmospheric, and ocean sciences	6	11	6	6	10	6	4	7	11	3
Mathematics	8	6	13	14	6	5	7	7	8	16
Physical sciences	39	32	34	22	25	35	35	28	29	25
Astronomy	2	1	3	0	1	2	4	2	1	4
Chemistry	18	12	22	10	19	15	25	20	12	14
Physics	19	19	9	12	5	17	6	6	16	7
Other physical sciences	0	0	0	0	0	1	0	0	0	0
Psychology	54	87	66	84	115	76	74	84	71	99
Social sciences	46	62	57	66	65	57	62	75	80	62
Engineering	45	49	55	63	47	36	60	54	65	45
Chemical engineering	6	11	3	9	5	9	5	5	8	8
Civil engineering	3	3	5	10	7	3	6	6	8	8
Electrical engineering	9	14	17	21	15	12	12	20	16	6
Mechanical engineering	5	6	6	11	6	4	16	6	9	7
Other engineering	22	15	24	12	14	8	21	17	24	16
Non-science and engineering	219	233	253	237	265	234	234	270	314	239
Education	96	87	95	97	110	94	71	101	127	86
Health	10	25	15	15	19	14	18	15	27	22
Humanities	90	99	121	102	117	102	119	125	139	102
Professional/other/unknown	23	22	22	23	19	24	26	29	21	29
White, all fields	24,686	24,670	23,962	24,274	23,894	23,710	22,688	21,396	21,542	21,395
Science and engineering	13,887	13,996	13,828	14,004	13,719	13,443	12,760	11,913	12,024	12,018
Science	11,795	11,733	11,540	11,834	11,609	11,554	11,008	10,436	10,464	10,476
Agricultural sciences	528	485	465	454	456	452	430	416	465	465
Biological sciences	3,115	3,170	3,158	3,246	3,128	3,308	3,255	3,118	3,059	3,184
Computer sciences	450	356	361	412	356	336	322	290	307	321
Earth, atmospheric, and ocean sciences	409	406	434	427	376	393	338	365	361	367
Mathematics	535	478	479	526	506	464	428	369	408	398
Physical sciences	1,923	1,886	1,884	1,916	1,840	1,691	1,649	1,548	1,554	1,479
Astronomy	111	131	132	120	109	115	103	87	105	93
Chemistry	1,111	1,062	1,078	1,129	1,090	988	974	988	1,002	921
Physics	687	684	659	651	630	571	557	461	429	453
Other physical sciences	14	9	15	16	11	17	15	12	18	12
Psychology	2,722	2,744	2,523	2,646	2,701	2,607	2,454	2,229	2,263	2,141
Social sciences	2,113	2,208	2,236	2,207	2,246	2,303	2,132	2,101	2,047	2,121

TABLE 5. Doctorates awarded to U.S. citizens or permanent residents, by race/ethnicity and major field of study of recipients: 1995–2004

Race/ethnicity and field	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Engineering	2,092	2,263	2,288	2,170	2,110	1,889	1,752	1,477	1,560	1,542
Chemical engineering	256	274	293	275	286	280	272	223	210	216
Civil engineering	194	199	220	217	241	194	194	185	217	155
Electrical engineering	590	589	579	523	510	443	368	306	296	312
Mechanical engineering	339	392	377	371	336	279	302	226	246	210
Other engineering	713	809	819	784	737	693	616	537	591	649
Non-science and engineering	10,799	10,674	10,134	10,270	10,175	10,267	9,928	9,483	9,518	9,377
Education	4,848	4,940	4,458	4,406	4,505	4,374	4,200	4,039	4,158	4,006
Health	832	822	828	929	837	961	922	969	970	974
Humanities	3,514	3,483	3,523	3,604	3,616	3,703	3,624	3,374	3,348	3,299
Professional/other/unknown	1,605	1,429	1,325	1,331	1,217	1,229	1,182	1,101	1,042	1,098
Other/unknown, all fields <sup>c</sup>	404	451	1,172	1,058	604	722	863	887	1,190	1,111
Science and engineering	260	279	684	624	365	438	519	504	702	690
Science	198	236	558	508	291	366	436	414	624	592
Agricultural sciences	9	10	23	17	11	15	11	10	20	27
Biological sciences	45	60	112	114	77	113	123	115	176	162
Computer sciences	12	15	31	26	16	12	16	10	27	23
Earth, atmospheric, and ocean sciences	8	7	21	19	11	16	16	16	19	26
Mathematics	7	10	25	26	15	9	12	16	24	22
Physical sciences	46	52	83	89	47	49	67	60	102	99
Astronomy	3	4	12	10	1	6	5	4	14	8
Chemistry	16	21	42	46	26	30	37	33	62	56
Physics	25	27	29	32	19	13	25	23	25	35
Other physical sciences	2	0	0	1	1	0	0	0	1	0
Psychology	32	26	135	119	37	57	97	76	115	108
Social sciences	39	56	128	98	77	95	94	111	141	125
Engineering	62	43	126	116	74	72	83	90	78	98
Chemical engineering	6	5	16	15	7	6	11	13	10	14
Civil engineering	2	1	11	17	5	8	18	12	9	4
Electrical engineering	19	13	43	19	23	21	14	24	23	28
Mechanical engineering	13	4	16	21	17	12	12	16	13	14
Other engineering	22	20	40	44	22	25	28	25	23	38
Non-science and engineering	144	172	488	434	239	284	344	383	488	421
Education	46	70	248	167	93	106	117	163	199	152
Health	19	17	20	36	16	22	29	26	48	46
Humanities	63	65	165	173	101	126	155	152	189	159
Professional/other/unknown	16	20	55	58	29	30	43	42	52	64

<sup>a</sup> Includes Pacific Islanders from 1995 to 2000.

<sup>b</sup> Includes Mexican American, Puerto Rican, and other Hispanic.

<sup>c</sup> Includes Native Hawaiian and other Pacific Islanders and multiple race/ethnicity from 2001 to 2004.

NOTE: Categories are grouped differently from questionnaire and summary reports in that linguistics, history of science, American studies, and archaeology are included in social science and not in humanities, and public administration is included in social science and not in professional fields.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Earned Doctorates.