

TABLE 8. Doctorates awarded to U.S. citizens, 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	27,743	27,775	28,151	28,457	27,986	27,979	27,040	26,011	26,485	26,431
Science and engineering	15,488	15,638	16,112	16,238	15,914	15,705	15,068	14,345	14,615	14,722
Science	13,102	13,042	13,373	13,673	13,428	13,484	12,921	12,453	12,711	12,781
Agricultural sciences	554	517	531	505	506	498	467	459	520	527
Biological sciences	3,494	3,546	3,670	3,756	3,660	3,904	3,899	3,797	3,791	3,955
Computer sciences	484	422	430	476	421	388	367	355	387	398
Earth, atmospheric, and ocean sciences	416	417	473	459	412	424	367	389	398	405
Mathematics	554	490	530	576	539	518	469	411	471	455
Physical sciences	2,137	2,078	2,131	2,141	2,035	1,890	1,861	1,779	1,818	1,748
Astronomy	120	137	151	132	111	127	119	104	126	113
Chemistry	1,238	1,170	1,234	1,288	1,256	1,119	1,127	1,137	1,171	1,110
Physics	764	762	731	705	657	625	602	527	500	515
Other physical sciences	15	9	15	16	11	19	13	11	21	10
Psychology	3,083	3,129	3,036	3,182	3,222	3,156	2,958	2,724	2,787	2,725
Social sciences	2,380	2,443	2,572	2,578	2,633	2,706	2,533	2,539	2,539	2,568
Engineering	2,386	2,596	2,739	2,565	2,486	2,221	2,147	1,892	1,904	1,941
Chemical engineering	291	318	321	328	333	339	332	302	272	290
Civil engineering	206	212	249	246	261	221	222	210	239	190
Electrical engineering	683	708	753	638	639	532	465	424	406	419
Mechanical engineering	383	436	456	433	399	341	386	285	287	271
Other engineering	823	922	960	920	854	788	742	671	700	771
Non-science and engineering	12,255	12,137	12,039	12,219	12,072	12,274	11,972	11,666	11,870	11,709
Education	5,777	5,879	5,582	5,573	5,636	5,555	5,334	5,286	5,513	5,305
Health	938	933	959	1,072	972	1,120	1,089	1,126	1,170	1,198
Humanities	3,748	3,728	3,946	4,023	4,008	4,159	4,113	3,914	3,896	3,808
Professional/other/unknown	1,792	1,597	1,552	1,551	1,456	1,440	1,436	1,340	1,291	1,398
American Indian/Alaska Native, all fields	148	185	167	189	214	169	148	147	134	129
Science and engineering	68	94	79	96	114	88	71	67	72	60
Science	59	80	62	83	102	80	65	60	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	0	1	2	2
Earth, atmospheric, and ocean sciences	0	1	2	3	6	4	0	0	2	4
Mathematics	2	1	1	3	1	2	1	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	24	18	12	29	20	20	20	16	13
Engineering	9	14	17	13	12	8	6	7	11	5
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	0
Mechanical engineering	2	3	6	2	2	3	1	1	0	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	62	69
Education	41	60	51	50	58	51	42	46	39	46
Health	9	4	6	4	6	4	6	3	2	3
Humanities	18	18	19	21	21	20	21	20	15	12
Professional/other/unknown	12	9	12	18	15	6	8	11	6	8
Asian, all fields ^a	1,129	1,066	1,296	1,155	1,304	1,363	1,396	1,364	1,354	1,449
Science and engineering	884	821	1,000	869	988	991	1,035	1,036	991	1,066
Science	630	550	710	626	725	751	777	789	787	837
Agricultural sciences	11	13	22	8	22	15	9	13	8	13

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Race/ethnicity and field	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Biological sciences	225	233	255	249	288	318	357	373	375	379
Computer sciences	42	37	42	39	43	41	34	50	44	42
Earth, atmospheric, and ocean sciences	7	7	10	5	14	7	12	5	7	6
Mathematics	24	23	33	25	29	44	30	19	38	29
Physical sciences	146	105	151	117	123	102	120	120	109	125
Astronomy	4	5	6	6	2	8	6	10	8	7
Chemistry	90	55	82	71	88	49	70	73	63	84
Physics	52	45	63	40	33	44	44	37	37	34
Other physical sciences	0	0	0	0	0	1	0	0	1	0
Psychology	83	75	101	92	110	121	103	104	103	135
Social sciences	92	57	96	91	96	103	112	105	103	108
Engineering	254	271	290	243	263	240	258	247	204	229
Chemical engineering	27	27	17	36	32	43	37	48	36	46
Civil engineering	15	17	13	16	20	18	15	14	10	13
Electrical engineering	92	109	128	86	92	79	78	80	76	63
Mechanical engineering	37	40	50	35	42	39	48	31	25	37
Other engineering	83	78	82	70	77	61	80	74	57	70
Non-science and engineering	245	245	296	286	316	372	361	328	363	383
Education	84	87	100	99	100	124	103	98	108	113
Health	22	37	42	32	45	55	72	55	70	63
Humanities	84	78	104	101	112	124	120	131	128	140
Professional/other/unknown	55	43	50	54	59	69	66	44	57	67
Black/African American, all fields	1,293	1,305	1,335	1,485	1,630	1,629	1,614	1,663	1,711	1,869
Science and engineering	461	487	530	574	638	646	631	634	615	685
Science	408	428	447	501	553	572	549	558	544	601
Agricultural sciences	11	16	15	10	19	12	9	9	18	18
Biological sciences	90	82	101	101	109	110	124	114	100	136
Computer sciences	9	12	4	12	17	13	13	17	17	15
Earth, atmospheric, and ocean sciences	0	1	3	5	8	3	5	4	9	6
Mathematics	4	8	6	12	10	14	17	13	14	8
Physical sciences	36	45	45	51	54	52	46	62	50	48
Astronomy	1	0	2	1	2	1	1	1	1	0
Chemistry	27	34	31	40	46	36	36	41	35	39
Physics	8	11	12	10	6	15	9	20	12	9
Other physical sciences	0	0	0	0	0	0	0	0	2	0
Psychology	143	144	142	152	168	184	169	163	163	202
Social sciences	115	120	131	158	168	184	166	176	173	168
Engineering	53	59	83	73	85	74	82	76	71	84
Chemical engineering	2	10	12	3	9	8	16	10	8	9
Civil engineering	7	6	9	7	5	5	7	10	6	5
Electrical engineering	20	17	27	22	26	19	20	15	21	31
Mechanical engineering	7	9	10	12	10	17	17	16	9	15
Other engineering	17	17	25	29	35	25	22	25	27	24
Non-science and engineering	832	818	805	911	992	983	983	1,029	1,096	1,184
Education	579	580	527	628	661	674	649	676	743	772
Health	55	42	51	60	51	67	60	67	75	101
Humanities	97	105	125	131	150	145	158	153	142	157
Professional/other/unknown	101	91	102	92	130	97	116	133	136	154
Hispanic, all fields ^b	922	957	1,063	1,205	1,184	1,180	1,128	1,238	1,276	1,177
Science and engineering	488	534	574	683	646	650	585	653	656	642
Science	427	447	492	583	575	581	511	566	566	569
Agricultural sciences	12	9	15	25	11	20	21	20	19	15
Biological sciences	104	109	131	150	155	154	149	161	158	174
Computer sciences	6	12	15	13	12	11	6	13	8	12
Earth, atmospheric, and ocean sciences	5	13	15	15	18	15	5	11	10	10
Mathematics	12	9	17	25	12	13	14	11	14	21

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Race/ethnicity and field	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Physical sciences	61	51	58	49	56	72	61	56	61	56
Astronomy	3	1	3	2	1	1	7	3	3	6
Chemistry	38	32	36	34	41	49	39	35	38	38
Physics	20	18	19	13	14	21	15	18	20	12
Other physical sciences	0	0	0	0	0	1	0	0	0	0
Psychology	138	167	161	197	205	203	160	180	162	162
Social sciences	89	77	80	109	106	93	95	114	134	119
Engineering	61	87	82	100	71	69	74	87	90	73
Chemical engineering	12	15	6	10	5	13	5	16	14	9
Civil engineering	7	2	10	15	11	8	8	7	11	16
Electrical engineering	14	27	23	27	28	19	15	28	21	12
Mechanical engineering	5	11	13	19	8	10	17	10	12	9
Other engineering	23	32	30	29	19	19	29	26	32	27
Non-science and engineering	434	423	489	522	538	530	543	585	620	535
Education	235	205	247	285	289	274	267	306	328	261
Health	29	31	29	37	39	33	24	30	38	44
Humanities	123	138	173	156	160	176	194	205	204	180
Professional/other/unknown	47	49	40	44	50	47	58	44	50	50
Mexican American, all fields	276	282	297	409	339	400	379	401	457	429
Science and engineering	139	142	154	213	155	206	169	185	208	216
Science	125	116	136	185	144	180	152	169	193	194
Agricultural sciences	4	2	2	9	3	6	4	7	7	6
Biological sciences	25	28	40	49	39	44	47	52	52	54
Computer sciences	3	1	2	3	0	3	2	3	3	3
Earth, atmospheric, and ocean sciences	2	5	3	5	5	4	2	4	0	3
Mathematics	5	2	3	6	7	8	6	2	4	7
Physical sciences	13	20	14	21	15	22	15	16	25	20
Astronomy	1	1	0	1	0	0	3	1	1	2
Chemistry	8	14	9	15	9	17	6	7	19	13
Physics	4	5	5	5	6	5	6	8	5	5
Other physical sciences	0	0	0	0	0	0	0	0	0	0
Psychology	47	38	49	51	40	60	48	51	51	50
Social sciences	26	20	23	41	35	33	28	34	51	51
Engineering	14	26	18	28	11	26	17	16	15	22
Chemical engineering	3	4	3	1	0	4	0	3	3	2
Civil engineering	3	0	2	5	3	4	1	1	0	5
Electrical engineering	3	9	5	6	3	4	8	4	3	4
Mechanical engineering	1	4	2	3	1	6	4	3	2	0
Other engineering	4	9	6	13	4	8	4	5	7	11
Non-science and engineering	137	140	143	196	184	194	210	216	249	213
Education	91	78	89	116	103	113	116	137	155	125
Health	8	6	7	15	14	11	7	8	13	9
Humanities	33	39	37	54	49	57	65	60	61	65
Professional/other/unknown	5	17	10	11	18	13	22	11	20	14
Puerto Rican, all fields	269	252	313	308	335	326	303	345	261	258
Science and engineering	137	142	171	173	184	183	155	196	148	139
Science	124	120	148	156	161	163	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	4	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

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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	19	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	143	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	15	14	10	15	12
Other Hispanic, all fields	377	423	453	488	510	454	446	492	558	490
Science and engineering	212	250	249	297	307	261	261	272	300	287
Science	178	211	208	242	270	238	217	227	244	255
Agricultural sciences	4	3	9	13	7	8	11	4	9	5
Biological sciences	49	49	55	58	69	77	54	53	71	70
Computer sciences	3	6	7	8	6	4	3	6	3	5
Earth, atmospheric, and ocean sciences	2	5	6	5	8	6	2	4	6	2
Mathematics	6	4	10	12	3	3	6	6	7	12
Physical sciences	27	19	24	17	19	30	32	20	19	20
Astronomy	1	0	3	0	1	1	4	1	1	4
Chemistry	13	9	14	10	14	13	22	17	5	10
Physics	13	10	7	7	4	15	6	2	13	6
Other physical sciences	0	0	0	0	0	1	0	0	0	0
Psychology	47	81	56	75	108	69	67	79	64	93
Social sciences	40	44	41	54	50	41	42	55	65	48
Engineering	34	39	41	55	37	23	44	45	56	32
Chemical engineering	5	7	2	6	3	4	3	5	7	6
Civil engineering	3	1	3	9	6	2	5	5	7	4
Electrical engineering	8	14	14	18	14	9	5	17	14	4
Mechanical engineering	3	4	5	11	5	2	12	4	8	6
Other engineering	15	13	17	11	9	6	19	14	20	12
Non-science and engineering	165	173	204	191	203	193	185	220	258	203
Education	75	75	86	92	96	86	63	90	121	80
Health	9	18	12	15	14	13	12	13	21	19
Humanities	60	61	87	65	80	75	88	94	101	80
Professional/other/unknown	21	19	19	19	13	19	22	23	15	24
White, all fields	23,891	23,847	23,181	23,455	23,093	22,969	21,936	20,767	20,875	20,745
Science and engineering	13,360	13,449	13,293	13,448	13,194	12,921	12,257	11,490	11,611	11,619
Science	11,402	11,323	11,142	11,411	11,204	11,157	10,608	10,096	10,154	10,162
Agricultural sciences	511	463	451	439	442	433	417	406	452	452
Biological sciences	3,020	3,050	3,069	3,139	3,017	3,196	3,139	3,027	2,976	3,100
Computer sciences	416	342	341	383	336	310	300	266	294	309
Earth, atmospheric, and ocean sciences	397	389	422	414	355	380	330	353	352	354
Mathematics	507	440	449	491	474	437	396	352	380	375
Physical sciences	1,847	1,823	1,794	1,835	1,750	1,611	1,557	1,478	1,497	1,420
Astronomy	109	127	129	113	104	111	99	86	100	92
Chemistry	1,065	1,027	1,040	1,095	1,054	952	936	953	973	894
Physics	660	660	611	612	582	531	509	428	407	424
Other physical sciences	13	9	14	15	10	17	13	11	17	10
Psychology	2,674	2,701	2,481	2,594	2,667	2,570	2,416	2,189	2,224	2,110
Social sciences	2,030	2,115	2,135	2,116	2,163	2,220	2,053	2,025	1,979	2,042

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Race/ethnicity and field	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Engineering	1,958	2,126	2,151	2,037	1,990	1,764	1,649	1,394	1,457	1,457
Chemical engineering	242	261	269	262	279	268	262	214	203	210
Civil engineering	175	184	206	197	219	181	176	170	203	149
Electrical engineering	540	542	529	485	472	397	337	280	264	288
Mechanical engineering	320	369	361	348	323	262	292	212	228	196
Other engineering	681	770	786	745	697	656	582	518	559	614
Non-science and engineering	10,531	10,398	9,888	10,007	9,899	10,048	9,679	9,277	9,264	9,126
Education	4,796	4,879	4,414	4,349	4,438	4,329	4,160	4,001	4,101	3,962
Health	806	805	813	906	816	941	899	946	938	943
Humanities	3,367	3,329	3,366	3,460	3,467	3,581	3,472	3,263	3,229	3,164
Professional/other/unknown	1,562	1,385	1,295	1,292	1,178	1,197	1,148	1,067	996	1,057
Other/unknown, all fields ^c	360	415	1,109	968	561	669	818	832	1,135	1,062
Science and engineering	227	253	636	568	334	409	489	465	670	650
Science	176	214	520	469	269	343	411	384	599	557
Agricultural sciences	7	9	23	14	11	13	11	9	19	25
Biological sciences	40	52	107	105	71	109	115	110	171	152
Computer sciences	11	15	27	25	12	12	14	8	22	18
Earth, atmospheric, and ocean sciences	7	6	21	17	11	15	15	16	18	25
Mathematics	5	9	24	20	13	8	11	13	23	22
Physical sciences	39	48	73	80	43	44	65	56	99	94
Astronomy	3	4	10	9	1	5	5	4	14	8
Chemistry	12	18	39	41	22	26	35	30	60	51
Physics	22	26	24	29	19	13	25	22	24	35
Other physical sciences	2	0	0	1	1	0	0	0	1	0
Psychology	31	25	133	116	37	56	93	73	113	103
Social sciences	36	50	112	92	71	86	87	99	134	118
Engineering	51	39	116	99	65	66	78	81	71	93
Chemical engineering	6	4	13	14	6	6	11	12	10	14
Civil engineering	2	1	9	11	4	8	16	9	8	4
Electrical engineering	16	11	41	15	20	18	14	21	19	25
Mechanical engineering	12	4	16	17	14	10	11	15	13	14
Other engineering	15	19	37	42	21	24	26	24	21	36
Non-science and engineering	133	162	473	400	227	260	329	367	465	412
Education	42	68	243	162	90	103	113	159	194	151
Health	17	14	18	33	15	20	28	25	47	44
Humanities	59	60	159	154	98	113	148	142	178	155
Professional/other/unknown	15	20	53	51	24	24	40	41	46	62

^a Includes Pacific Islanders from 1995 to 2000.

^b Includes Mexican American, Puerto Rican, and other Hispanic.

^c 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.