

TABLE F-6. S&E doctorates awarded to U.S. citizens and permanent residents, by field and race/ethnicity: 1996–2003

Field and race/ethnicity	1996	1997	1998	1999	2000	2001	2002	2003
All S&E fields	18,647	18,393	18,256	17,565	17,114	16,338	15,508	15,669
White	13,996	13,828	14,003	13,718	13,443	12,754	11,909	11,989
Asian <sup>a</sup>	3,079	2,529	2,135	1,932	1,706	1,616	1,616	1,505
Black	572	615	644	714	710	703	685	661
Hispanic	626	658	754	722	729	673	724	738
American Indian/Alaska Native	95	79	96	114	88	74	70	72
Other/unknown race/ethnicity <sup>b</sup>	279	684	624	365	438	518	504	704
Science	15,258	15,061	15,212	14,677	14,543	13,899	13,345	13,506
White	11,733	11,540	11,833	11,609	11,554	11,007	10,433	10,433
Asian <sup>a</sup>	2,183	1,822	1,581	1,420	1,267	1,195	1,208	1,166
Black	498	517	563	616	629	611	600	586
Hispanic	527	562	644	639	647	583	627	635
American Indian/Alaska Native	81	62	83	102	80	67	63	61
Other/unknown race/ethnicity <sup>b</sup>	236	558	508	291	366	436	414	625
Agricultural sciences	575	550	543	494	502	431	421	477
White	442	411	417	398	414	371	357	396
Asian <sup>a</sup>	80	63	47	46	30	16	23	21
Black	24	24	19	24	18	13	12	16
Hispanic	13	26	35	15	26	20	18	22
American Indian/Alaska Native	6	5	9	1	4	0	2	4
Other/unknown race/ethnicity <sup>b</sup>	10	21	16	10	10	11	9	18
Biological sciences	4,364	4,256	4,308	4,124	4,268	4,243	4,111	4,047
White	3,170	3,158	3,246	3,128	3,308	3,255	3,117	3,053
Asian <sup>a</sup>	885	721	657	608	539	546	561	524
Black	98	112	111	116	118	139	124	108
Hispanic	131	146	168	175	173	165	182	175
American Indian/Alaska Native	20	7	12	20	17	15	12	11
Other/unknown race/ethnicity <sup>b</sup>	60	112	114	77	113	123	115	176
Computer sciences	514	520	561	492	457	423	419	440
White	356	361	412	356	336	322	290	304
Asian <sup>a</sup>	111	107	90	87	76	61	86	79
Black	12	4	14	18	18	15	17	17
Hispanic	16	16	15	14	14	8	14	10
American Indian/Alaska Native	4	1	4	1	1	1	2	2
Other/unknown race/ethnicity <sup>b</sup>	15	31	26	16	12	16	10	28
Earth, atmospheric, and ocean sciences	558	607	562	526	510	467	494	512
White	449	488	464	434	431	396	424	429
Asian <sup>a</sup>	77	70	51	39	28	34	30	25
Black	4	8	8	14	7	6	6	17
Hispanic	19	16	16	21	18	15	17	18
American Indian/Alaska Native	2	2	3	6	5	0	0	2
Other/unknown race/ethnicity <sup>b</sup>	7	23	20	12	21	16	17	21
Atmospheric	83	102	85	77	86	61	68	78
White	61	80	69	63	73	51	59	65
Asian <sup>a</sup>	19	18	9	9	6	5	5	7
Black	0	0	2	2	1	0	1	3
Hispanic	1	1	1	3	2	1	2	0
American Indian/Alaska Native	1	0	0	0	0	0	0	0
Other/unknown race/ethnicity <sup>b</sup>	1	3	4	0	4	4	1	3
Earth	330	349	348	295	270	259	266	256
White	274	286	291	242	234	223	234	222
Asian <sup>a</sup>	37	34	29	20	13	18	11	10
Black	2	5	3	6	1	2	3	4
Hispanic	12	10	9	11	8	7	6	4
American Indian/Alaska Native	0	0	3	6	4	0	0	1
Other/unknown race/ethnicity <sup>b</sup>	5	14	13	10	10	9	12	15

TABLE F-6. S&E doctorates awarded to U.S. citizens and permanent residents, by field and race/ethnicity: 1996–2003

Field and race/ethnicity	1996	1997	1998	1999	2000	2001	2002	2003
Ocean	92	87	81	87	97	75	90	95
White	71	68	67	71	86	64	72	74
Asian <sup>a</sup>	14	8	6	6	3	4	8	4
Black	0	1	0	3	1	3	1	4
Hispanic	6	4	6	6	5	1	6	11
American Indian/Alaska Native	0	2	0	0	0	0	0	1
Other/unknown race/ethnicity <sup>b</sup>	1	4	2	1	2	3	3	1
Other	53	69	48	67	57	72	70	83
White	43	54	37	58	38	58	59	68
Asian <sup>a</sup>	7	10	7	4	6	7	6	4
Black	2	2	3	3	4	1	1	6
Hispanic	0	1	0	1	3	6	3	3
American Indian/Alaska Native	1	0	0	0	1	0	0	0
Other/unknown race/ethnicity <sup>b</sup>	0	2	1	1	5	0	1	2
Mathematics and statistics	648	629	669	605	574	524	442	516
White	478	479	526	506	464	428	369	407
Asian <sup>a</sup>	140	97	71	56	70	48	28	51
Black	8	7	16	12	14	19	14	16
Hispanic	11	20	27	15	15	15	12	16
American Indian/Alaska Native	1	1	3	1	2	2	3	2
Other/unknown race/ethnicity <sup>b</sup>	10	25	26	15	9	12	16	24
Physical sciences	2,571	2,497	2,455	2,277	2,092	2,045	1,939	1,966
White	1,886	1,884	1,916	1,840	1,691	1,649	1,547	1,552
Asian <sup>a</sup>	501	400	331	252	203	197	194	181
Black	59	51	56	66	62	55	67	57
Hispanic	67	69	54	63	78	65	64	72
American Indian/Alaska Native	6	10	9	9	9	12	7	2
Other/unknown race/ethnicity <sup>b</sup>	52	83	89	47	49	67	60	102
Astronomy	149	158	147	117	139	123	109	130
White	131	132	120	109	115	103	87	104
Asian <sup>a</sup>	12	8	13	3	13	6	13	8
Black	0	2	1	2	1	1	1	1
Hispanic	2	3	2	1	3	7	4	3
American Indian/Alaska Native	0	1	1	1	1	1	0	0
Other/unknown race/ethnicity <sup>b</sup>	4	12	10	1	6	5	4	14
Chemistry	1,463	1,439	1,467	1,406	1,241	1,230	1,229	1,262
White	1,062	1,078	1,129	1,090	988	974	987	1,001
Asian <sup>a</sup>	295	234	206	183	121	123	122	110
Black	45	35	45	56	44	42	44	42
Hispanic	36	44	34	46	51	43	38	45
American Indian/Alaska Native	4	6	7	5	7	11	5	2
Other/unknown race/ethnicity <sup>b</sup>	21	42	46	26	30	37	33	62
Physics	949	883	823	742	692	677	589	552
White	684	659	651	630	571	557	461	429
Asian <sup>a</sup>	193	157	111	66	68	68	59	62
Black	14	14	10	8	16	12	22	12
Hispanic	29	22	18	16	23	15	22	24
American Indian/Alaska Native	2	2	1	3	1	0	2	0
Other/unknown race/ethnicity <sup>b</sup>	27	29	32	19	13	25	23	25
Other	10	17	18	12	20	15	12	22
White	9	15	16	11	17	15	12	18
Asian <sup>a</sup>	1	1	1	0	1	0	0	1
Black	0	0	0	0	1	0	0	2
Hispanic	0	0	0	0	1	0	0	0
American Indian/Alaska Native	0	1	0	0	0	0	0	0
Other/unknown race/ethnicity <sup>b</sup>	0	0	1	1	0	0	0	1

TABLE F-6. S&amp;E doctorates awarded to U.S. citizens and permanent residents, by field and race/ethnicity: 1996–2003

Field and race/ethnicity	1996	1997	1998	1999	2000	2001	2002	2003
Psychology	3,233	3,125	3,274	3,292	3,231	3,033	2,794	2,846
White	2,744	2,523	2,645	2,701	2,607	2,454	2,228	2,254
Asian <sup>a</sup>	121	126	113	132	145	116	119	118
Black	152	152	158	172	189	174	171	168
Hispanic	173	171	208	215	211	175	185	169
American Indian/Alaska Native	17	18	31	35	22	17	15	22
Other/unknown race/ethnicity <sup>b</sup>	26	135	119	37	57	97	76	115
Social sciences	2,795	2,877	2,840	2,867	2,909	2,733	2,725	2,702
White	2,208	2,236	2,207	2,246	2,303	2,132	2,101	2,038
Asian <sup>a</sup>	268	238	221	200	176	177	167	167
Black	141	159	181	194	203	190	189	187
Hispanic	97	98	121	121	112	120	135	153
American Indian/Alaska Native	25	18	12	29	20	20	22	16
Other/unknown race/ethnicity <sup>b</sup>	56	128	98	77	95	94	111	141
Anthropology	341	376	380	401	411	369	430	422
White	289	299	298	330	337	290	333	310
Asian <sup>a</sup>	15	14	18	19	19	19	14	18
Black	6	12	10	15	21	13	24	24
Hispanic	13	16	21	12	13	20	25	34
American Indian/Alaska Native	5	3	5	8	5	8	7	2
Other/unknown race/ethnicity <sup>b</sup>	13	32	28	17	16	19	27	34
Area and ethnic studies	123	88	104	94	118	132	103	93
White	95	70	79	69	93	99	74	60
Asian <sup>a</sup>	8	3	2	4	5	4	2	5
Black	9	9	17	13	11	17	13	12
Hispanic	3	1	4	3	5	5	6	8
American Indian/Alaska Native	2	4	1	3	1	2	2	2
Other/unknown race/ethnicity <sup>b</sup>	6	1	1	2	3	5	6	6
Economics	608	590	578	543	502	460	425	406
White	450	431	428	417	396	358	328	312
Asian <sup>a</sup>	103	89	85	65	48	56	56	54
Black	22	22	23	28	22	13	13	11
Hispanic	20	25	26	21	22	18	16	17
American Indian/Alaska Native	1	1	0	1	1	2	0	1
Other/unknown race/ethnicity <sup>b</sup>	12	22	16	11	13	13	12	11
History of science	29	33	36	42	35	39	39	36
White	27	25	32	36	32	31	37	31
Asian <sup>a</sup>	0	2	0	3	0	3	0	0
Black	1	3	0	1	1	1	0	0
Hispanic	1	0	1	0	1	2	1	1
American Indian/Alaska Native	0	0	0	0	0	0	0	0
Other/unknown race/ethnicity <sup>b</sup>	0	3	3	2	1	2	1	4
Linguistics	118	159	136	156	119	123	109	114
White	88	117	103	123	98	97	85	86
Asian <sup>a</sup>	20	25	22	13	11	9	10	12
Black	4	3	4	4	1	6	3	0
Hispanic	4	7	6	13	5	4	7	9
American Indian/Alaska Native	1	1	0	1	0	0	0	1
Other/unknown race/ethnicity <sup>b</sup>	1	6	1	2	4	7	4	6
Political science and public administration	743	789	791	805	802	751	732	760
White	592	655	633	640	637	587	577	590
Asian <sup>a</sup>	46	45	42	45	38	36	33	30
Black	59	37	55	59	61	71	62	70
Hispanic	29	19	35	31	28	23	36	31
American Indian/Alaska Native	4	4	3	7	4	5	3	7
Other/unknown race/ethnicity <sup>b</sup>	13	29	23	23	34	29	21	32

TABLE F-6. S&amp;E doctorates awarded to U.S. citizens and permanent residents, by field and race/ethnicity: 1996–2003

Field and race/ethnicity	1996	1997	1998	1999	2000	2001	2002	2003
Sociology	424	461	442	459	515	471	476	487
White	328	346	345	346	383	351	349	348
Asian <sup>a</sup>	44	29	23	30	32	27	29	22
Black	25	42	40	45	57	44	46	47
Hispanic	13	19	15	26	26	38	25	40
American Indian/Alaska Native	7	4	3	4	6	2	7	0
Other/unknown race/ethnicity <sup>b</sup>	7	21	16	8	11	9	20	30
Other	409	381	373	367	407	388	411	384
White	339	293	289	285	327	319	318	301
Asian <sup>a</sup>	32	31	29	21	23	23	23	26
Black	15	31	32	29	29	25	28	23
Hispanic	14	11	13	15	12	10	19	13
American Indian/Alaska Native	5	1	0	5	3	1	3	3
Other/unknown race/ethnicity <sup>b</sup>	4	14	10	12	13	10	20	18
Engineering	3,389	3,332	3,044	2,888	2,571	2,439	2,163	2,163
White	2,263	2,288	2,170	2,109	1,889	1,747	1,476	1,556
Asian <sup>a</sup>	896	707	554	512	439	421	408	339
Black	74	98	81	98	81	92	85	75
Hispanic	99	96	110	83	82	90	97	103
American Indian/Alaska Native	14	17	13	12	8	7	7	11
Other/unknown race/ethnicity <sup>b</sup>	43	126	116	74	72	82	90	79
Aerospace	184	168	152	112	127	102	91	80
White	149	137	126	97	107	79	73	66
Asian <sup>a</sup>	28	16	12	13	11	12	11	7
Black	5	3	1	1	4	1	2	1
Hispanic	2	4	5	0	3	5	3	4
American Indian/Alaska Native	0	0	0	0	0	0	0	0
Other/unknown race/ethnicity <sup>b</sup>	0	8	8	1	2	5	2	2
Chemical	391	409	374	371	382	358	336	292
White	274	293	275	286	280	269	223	210
Asian <sup>a</sup>	80	73	65	58	69	53	70	46
Black	12	16	3	11	8	17	12	9
Hispanic	19	7	13	7	18	7	16	16
American Indian/Alaska Native	1	4	3	2	1	1	2	1
Other/unknown race/ethnicity <sup>b</sup>	5	16	15	7	6	11	13	10
Civil	305	327	297	312	261	269	247	269
White	199	220	217	241	194	194	185	217
Asian <sup>a</sup>	89	72	38	46	43	37	29	20
Black	8	10	9	6	6	11	13	9
Hispanic	6	12	16	12	9	9	8	13
American Indian/Alaska Native	2	2	0	2	1	0	0	1
Other/unknown race/ethnicity <sup>b</sup>	1	11	17	5	8	18	12	9
Electrical	929	940	804	766	648	560	507	494
White	589	579	523	510	443	368	306	295
Asian <sup>a</sup>	276	256	205	172	141	133	130	129
Black	22	31	23	30	21	22	16	19
Hispanic	27	26	31	30	22	22	31	23
American Indian/Alaska Native	2	5	3	1	0	1	0	5
Other/unknown race/ethnicity <sup>b</sup>	13	43	19	23	21	14	24	23
Industrial	136	119	101	99	77	87	81	70
White	94	80	72	80	59	53	56	47
Asian <sup>a</sup>	28	22	11	7	11	21	10	14
Black	3	9	8	7	4	6	4	3
Hispanic	6	5	7	4	0	2	6	3
American Indian/Alaska Native	3	0	0	0	0	1	1	0
Other/unknown race/ethnicity <sup>b</sup>	2	3	3	1	3	4	4	3

TABLE F-6. S&E doctorates awarded to U.S. citizens and permanent residents, by field and race/ethnicity: 1996–2003

Field and race/ethnicity	1996	1997	1998	1999	2000	2001	2002	2003
Materials	337	315	313	260	244	225	174	200
White	217	234	225	184	190	165	122	154
Asian <sup>a</sup>	102	59	55	52	34	37	33	23
Black	3	4	10	7	5	6	5	4
Hispanic	6	10	8	8	8	9	7	13
American Indian/Alaska Native	2	0	2	2	0	1	1	0
Other/unknown race/ethnicity <sup>b</sup>	7	8	13	7	7	7	6	6
Mechanical	588	538	515	463	396	427	342	332
White	392	377	371	335	279	301	226	246
Asian <sup>a</sup>	166	113	89	88	72	75	70	50
Black	10	12	13	12	18	17	17	9
Hispanic	13	14	19	9	12	21	12	13
American Indian/Alaska Native	3	6	2	2	3	1	1	1
Other/unknown race/ethnicity <sup>b</sup>	4	16	21	17	12	12	16	13
Other	519	516	488	505	436	411	385	426
White	349	368	361	376	337	318	285	321
Asian <sup>a</sup>	127	96	79	76	58	53	55	50
Black	11	13	14	24	15	12	16	21
Hispanic	20	18	11	13	10	15	14	18
American Indian/Alaska Native	1	0	3	3	3	2	2	3
Other/unknown race/ethnicity <sup>b</sup>	11	21	20	13	13	11	13	13

<sup>a</sup> Includes Native Hawaiians/other Pacific Islanders through 2000, but excludes them in 2001–03 per revised Office of Management and Budget guidelines.

<sup>b</sup> Includes only those with unknown race/ethnicity through 2000. In 2001, this category was expanded to include Native Hawaiians and other Pacific Islanders and respondents choosing multiple races (excluding those selecting an Hispanic ethnicity).

SOURCE: National Science Foundation, Division of Science Resources Statistics, Survey of Earned Doctorates, 1996–2003.