

TABLE F-6. S&E doctoral degrees awarded, by citizenship, field and race/ethnicity: 1998–2007

Field and race/ethnicity	1998	2000	2001	2002	2003	2004	2005	2006	2007
All S&E	26,783	25,423	25,453	24,254	25,425	26,573	28,561	30,452	32,588
U.S. citizens and permanent residents	18,146	17,446	17,261	16,314	16,855	17,271	17,829	18,400	19,595
White	14,313	13,431	13,020	12,373	12,677	12,770	12,981	13,246	13,981
Asian/Pacific Islander	1,516	1,518	1,556	1,377	1,437	1,540	1,655	1,788	1,973
Black	668	727	748	762	775	849	842	899	964
Hispanic	660	719	815	758	784	916	973	1003	1071
American Indian/Alaska Native	101	74	78	73	95	103	85	96	105
Other/unknown race/ethnicity	888	977	1,044	971	1,087	1,093	1,293	1,368	1,501
Temporary resident	8,637	7,977	8,192	7,940	8,570	9,302	10,732	12,052	12,993
Science	20,798	20,039	19,892	19,058	20,143	20,642	22,013	23,050	24,522
U.S. citizens and permanent residents	15,088	14,790	14,699	14,053	14,618	14,924	15,377	15,686	16,601
White	12,006	11,483	11,176	10,781	11,106	11,137	11,285	11,428	12,008
Asian/Pacific Islander	1,089	1,138	1,158	1,020	1,145	1,194	1,283	1,318	1,465
Black	587	636	650	682	681	750	741	789	847
Hispanic	558	633	727	670	678	815	875	898	933
American Indian/Alaska Native	91	69	68	67	83	95	79	89	97
Other/unknown race/ethnicity	757	831	920	833	925	933	1,114	1,164	1,251
Temporary resident	5,710	5,249	5,193	5,005	5,525	5,718	6,636	7,364	7,921
Agricultural sciences	1,064	984	934	969	1,060	1,016	1,004	1,037	1,068
U.S. citizens and permanent residents	579	553	544	549	626	601	611	640	643
White	468	470	453	474	522	502	519	526	541
Asian/Pacific Islander	41	26	24	17	28	28	22	25	24
Black	24	20	16	16	26	20	19	28	24
Hispanic	18	13	21	20	16	17	14	36	15
American Indian/Alaska Native	4	2	1	0	1	7	4	1	3
Other/unknown race/ethnicity	24	22	29	22	33	27	33	24	36
Temporary resident	485	431	390	420	434	415	393	397	425
Biological sciences	5,043	4,992	4,750	4,596	5,212	5,491	5,925	6,138	6,703
U.S. citizens and permanent residents	3,680	3,724	3,579	3,443	3,901	4,118	4,330	4,377	4,713
White	2,878	2,845	2,689	2,613	2,912	3,047	3,172	3,206	3,426
Asian/Pacific Islander	401	429	399	388	475	489	508	477	563
Black	93	106	101	112	110	159	152	173	173
Hispanic	129	149	155	139	171	186	216	212	226
American Indian/Alaska Native	9	8	14	14	18	16	18	19	23
Other/unknown race/ethnicity	170	187	221	177	215	221	264	290	302
Temporary resident	1,363	1,268	1,171	1,153	1,311	1,373	1,595	1,761	1,990
Computer sciences	858	777	768	750	816	910	1,121	1,416	1,597
U.S. citizens and permanent residents	489	402	395	410	413	455	500	551	680
White	388	289	287	264	282	309	308	356	437
Asian/Pacific Islander	56	56	53	72	55	62	88	92	111
Black	9	15	9	21	17	18	19	21	30
Hispanic	9	13	12	19	11	18	17	6	17
American Indian/Alaska Native	1	0	1	1	1	1	0	6	3
Other/unknown race/ethnicity	26	29	33	33	47	47	68	70	82
Temporary resident	369	375	373	340	403	455	621	865	917
Earth, atmospheric, ocean sciences	667	579	542	562	544	540	572	600	727
U.S. citizens and permanent residents	464	409	362	368	376	356	360	389	481
White	406	344	301	332	318	311	300	328	400
Asian/Pacific Islander	26	15	25	12	15	12	16	23	11
Black	5	3	3	3	11	5	3	3	7
Hispanic	4	9	10	4	8	10	11	12	18
American Indian/Alaska Native	3	6	0	0	1	3	3	0	2
Other/unknown race/ethnicity	20	32	23	17	23	15	27	23	43
Temporary resident	203	170	180	194	168	184	212	211	246
Atmospheric sciences	79	87	70	68	78	77	96	95	87
U.S. citizens and permanent residents	51	57	40	43	46	45	54	45	48
White	45	50	33	40	36	37	43	30	39

TABLE F-6. S&E doctoral degrees awarded, by citizenship, field and race/ethnicity: 1998–2007

Field and race/ethnicity	1998	2000	2001	2002	2003	2004	2005	2006	2007
Asian/Pacific Islander	4	3	5	1	6	4	6	6	1
Black	1	1	0	1	2	1	0	2	2
Hispanic	0	1	0	1	1	0	1	2	2
American Indian/Alaska Native	0	0	0	0	0	1	1	0	0
Other/unknown race/ethnicity	1	2	2	0	1	2	3	5	4
Temporary resident	28	30	30	25	32	32	42	50	39
Earth sciences	508	393	380	404	368	369	379	430	513
U.S. citizens and permanent residents	353	280	258	266	259	245	244	296	347
White	310	230	210	242	224	212	204	258	289
Asian/Pacific Islander	18	12	19	8	7	8	6	16	8
Black	4	2	3	2	6	3	2	0	3
Hispanic	3	6	6	1	3	10	9	10	12
American Indian/Alaska Native	3	5	0	0	1	2	2	0	1
Other/unknown race/ethnicity	15	25	20	13	18	10	21	12	34
Temporary resident	155	113	122	138	109	124	135	134	166
Oceanography	80	99	92	90	98	94	97	75	127
U.S. citizens and permanent residents	60	72	64	59	71	66	62	48	86
White	51	64	58	50	58	62	53	40	72
Asian/Pacific Islander	4	0	1	3	2	0	4	1	2
Black	0	0	0	0	3	1	1	1	2
Hispanic	1	2	4	2	4	0	1	0	4
American Indian/Alaska Native	0	1	0	0	0	0	0	0	1
Other/unknown race/ethnicity	4	5	1	4	4	3	3	6	5
Temporary resident	20	27	28	31	27	28	35	27	41
Mathematics and statistics	1,224	1,081	1,001	927	1,009	1,065	1,180	1,297	1,356
U.S. citizens and permanent residents	670	588	525	438	513	508	540	583	645
White	536	457	400	360	389	388	398	428	458
Asian/Pacific Islander	58	71	55	26	43	48	54	63	79
Black	17	13	17	14	19	8	18	20	21
Hispanic	22	12	17	9	17	23	21	27	21
American Indian/Alaska Native	2	2	2	1	1	0	0	0	1
Other/unknown race/ethnicity	35	33	34	28	44	41	49	45	65
Temporary resident	554	493	476	489	496	557	640	714	711
Physical sciences	3,901	3,444	3,446	3,247	3,378	3,345	3,620	3,986	4,209
U.S. citizens and permanent residents	2,487	2,148	2,156	2,044	2,060	1,969	2,036	2,183	2,266
White	1,972	1,672	1,614	1,573	1,591	1,500	1,526	1,645	1,667
Asian/Pacific Islander	226	186	215	170	170	171	209	220	222
Black	58	65	72	69	65	64	52	55	86
Hispanic	49	67	81	69	65	73	76	93	92
American Indian/Alaska Native	10	8	5	9	6	12	7	9	7
Other/unknown race/ethnicity	172	150	169	154	163	149	166	161	192
Temporary resident	1,414	1,296	1,290	1,203	1,318	1,376	1,584	1,803	1,943
Astronomy	117	101	103	70	101	101	115	114	128
U.S. citizens and permanent residents	83	76	78	53	79	75	73	73	89
White	69	55	52	41	61	63	62	57	63
Asian/Pacific Islander	8	8	4	3	5	7	6	6	6
Black	0	1	0	1	1	1	0	1	2
Hispanic	1	3	4	1	2	2	2	1	5
American Indian/Alaska Native	0	1	0	0	0	0	0	0	0
Other/unknown race/ethnicity	5	8	18	7	10	2	3	8	13
Temporary resident	34	25	25	17	22	26	42	41	39
Chemistry	2,345	2,090	2,134	2,037	2,158	2,105	2,226	2,502	2,606
U.S. citizens and permanent residents	1,534	1,336	1,383	1,355	1,374	1,321	1,366	1,461	1,464
White	1,210	1,030	1,028	1,031	1,078	986	1,021	1,080	1,071

TABLE F-6. S&E doctoral degrees awarded, by citizenship, field and race/ethnicity: 1998–2007

Field and race/ethnicity	1998	2000	2001	2002	2003	2004	2005	2006	2007
Asian/Pacific Islander	136	124	138	120	111	127	139	160	155
Black	43	45	56	46	47	51	37	43	64
Hispanic	33	45	59	48	44	58	57	70	65
American Indian/Alaska Native	5	7	5	7	6	9	6	6	3
Other/unknown race/ethnicity	107	85	97	103	88	90	106	102	106
Temporary resident	811	754	751	682	784	784	860	1,041	1,142
Physics	1,393	1,208	1,169	1,096	1,089	1,119	1,254	1,341	1,442
U.S. citizens and permanent residents	835	708	677	604	591	562	585	635	696
White	666	561	516	473	437	442	435	496	519
Asian/Pacific Islander	78	52	73	45	53	37	62	54	60
Black	13	19	16	22	17	11	15	11	20
Hispanic	13	19	18	19	19	13	16	21	22
American Indian/Alaska Native	5	0	0	2	0	3	1	3	4
Other/unknown race/ethnicity	60	57	54	43	65	56	56	50	71
Temporary resident	558	500	492	492	498	557	669	706	746
Other physical sciences	46	45	40	44	30	20	25	29	33
U.S. citizens and permanent residents	35	28	18	32	16	11	12	14	17
White	27	26	18	28	15	9	8	12	14
Asian/Pacific Islander	4	2	0	2	1	0	2	0	1
Black	2	0	0	0	0	1	0	0	0
Hispanic	2	0	0	1	0	0	1	1	0
American Indian/Alaska Native	0	0	0	0	0	0	0	0	0
Other/unknown race/ethnicity	0	0	0	1	0	1	1	1	2
Temporary resident	11	17	22	12	14	9	13	15	16
Psychology	4,015	4,200	4,538	4,185	4,258	4,389	4,681	4,484	4,696
U.S. citizens and permanent residents	3,832	4,042	4,381	4,042	4,059	4,191	4,452	4,230	4,450
White	3,109	3,186	3,373	3,104	3,145	3,057	3,241	3,034	3,171
Asian/Pacific Islander	112	181	209	177	195	224	221	242	265
Black	178	214	240	231	241	281	275	256	278
Hispanic	228	267	308	297	247	339	388	367	417
American Indian/Alaska Native	43	28	27	24	31	36	29	32	36
Other/unknown race/ethnicity	162	166	224	209	200	254	298	299	283
Temporary resident	183	158	157	143	199	198	229	254	246
Social sciences	4,026	3,982	3,913	3,822	3,866	3,886	3,910	4,092	4,166
U.S. citizens and permanent residents	2,887	2,924	2,757	2,759	2,670	2,726	2,548	2,733	2,723
White	2,249	2,220	2,059	2,061	1,947	2,023	1,821	1,905	1,908
Asian/Pacific Islander	169	174	178	158	164	160	165	176	190
Black	203	200	192	216	192	195	203	233	228
Hispanic	99	103	123	113	143	149	132	145	127
American Indian/Alaska Native	19	15	18	18	24	20	18	22	22
Other/unknown race/ethnicity	148	212	187	193	200	179	209	252	248
Temporary resident	1,139	1,058	1,156	1,063	1,196	1,160	1,362	1,359	1,443
Anthropology	489	471	428	508	487	537	459	480	519
U.S. citizens and permanent residents	412	409	356	430	420	466	392	425	433
White	349	332	283	326	313	349	296	325	330
Asian/Pacific Islander	15	16	19	13	22	23	17	23	23
Black	6	20	12	25	23	26	24	21	19
Hispanic	15	8	19	20	29	37	20	25	18
American Indian/Alaska Native	5	4	3	6	6	5	4	4	6
Other/unknown race/ethnicity	22	29	20	40	27	26	31	27	37
Temporary resident	77	62	72	78	67	71	67	55	86
Area and ethnic studies	178	212	216	209	176	204	184	220	226
U.S. citizens and permanent residents	148	180	180	180	149	168	154	187	202
White	98	123	116	106	84	93	84	91	103
Asian/Pacific Islander	7	7	11	13	17	18	13	14	16

TABLE F-6. S&E doctoral degrees awarded, by citizenship, field and race/ethnicity: 1998–2007

Field and race/ethnicity	1998	2000	2001	2002	2003	2004	2005	2006	2007
Black	24	17	25	28	17	22	21	36	38
Hispanic	3	7	9	10	8	13	12	13	14
American Indian/Alaska Native	0	2	2	3	2	3	4	5	6
Other/unknown race/ethnicity	16	24	17	20	21	19	20	28	25
Temporary resident	30	32	36	29	27	36	30	33	24
Economics	1,106	1,001	1,016	961	967	978	1,111	1,057	1,107
U.S. citizens and permanent residents	537	474	422	419	377	396	368	371	369
White	398	349	325	318	272	286	244	237	233
Asian/Pacific Islander	63	44	42	44	38	33	46	47	50
Black	24	22	9	19	11	19	9	18	18
Hispanic	15	18	18	13	20	25	22	21	22
American Indian/Alaska Native	0	0	0	0	2	1	0	2	2
Other/unknown race/ethnicity	37	41	28	25	34	32	47	46	44
Temporary resident	569	527	594	542	590	582	743	686	738
Linguistics	205	202	193	152	201	194	172	216	219
U.S. citizens and permanent residents	121	105	100	84	102	105	95	114	123
White	88	82	66	65	74	82	73	74	86
Asian/Pacific Islander	18	15	13	10	10	10	10	20	24
Black	6	1	4	1	0	4	2	5	0
Hispanic	5	1	5	3	4	2	3	4	3
American Indian/Alaska Native	0	0	1	0	0	0	0	1	1
Other/unknown race/ethnicity	4	6	11	5	14	7	7	10	9
Temporary resident	84	97	93	68	99	89	77	102	96
History of science	18	23	21	20	27	20	28	34	27
U.S. citizens and permanent residents	16	18	20	16	24	14	21	28	16
White	11	11	15	12	20	13	17	19	13
Asian/Pacific Islander	0	0	0	0	1	0	1	2	1
Black	3	0	1	1	0	0	1	1	1
Hispanic	0	1	2	0	0	0	1	2	1
American Indian/Alaska Native	0	0	0	0	0	0	0	0	0
Other/unknown race/ethnicity	2	6	2	3	3	1	1	4	0
Temporary resident	2	5	1	4	3	6	7	6	11
Political science and public administration	1,018	1,019	1,047	992	1,055	1,001	1,049	1,098	1,093
U.S. citizens and permanent residents	835	856	859	821	827	809	806	827	811
White	661	659	636	625	596	605	591	580	573
Asian/Pacific Islander	34	44	46	41	42	38	41	38	42
Black	62	70	79	78	79	67	83	90	85
Hispanic	40	28	34	35	36	43	35	35	34
American Indian/Alaska Native	5	3	7	1	4	4	3	4	0
Other/unknown race/ethnicity	33	52	57	41	70	52	53	80	77
Temporary resident	183	163	188	171	228	192	243	271	282
Sociology	604	602	550	547	598	564	534	574	573
U.S. citizens and permanent residents	476	510	473	474	492	460	436	466	459
White	368	375	343	340	356	352	301	337	326
Asian/Pacific Islander	23	27	33	25	25	25	26	21	23
Black	49	50	42	44	51	40	44	45	47
Hispanic	15	24	24	22	37	24	29	37	23
American Indian/Alaska Native	5	4	4	7	6	1	5	0	4
Other/unknown race/ethnicity	16	30	27	36	17	18	31	26	36
Temporary resident	128	92	77	73	106	104	98	108	114
Other	408	452	442	433	355	388	373	413	402
U.S. citizens and permanent residents	342	372	347	335	279	308	276	315	310
White	276	289	275	269	232	243	215	242	244
Asian/Pacific Islander	9	21	14	12	9	13	11	11	11
Black	29	20	20	20	11	17	19	17	20

TABLE F-6. S&E doctoral degrees awarded, by citizenship, field and race/ethnicity: 1998–2007

Field and race/ethnicity	1998	2000	2001	2002	2003	2004	2005	2006	2007
Hispanic	6	16	12	10	9	5	10	8	12
American Indian/Alaska Native	4	2	1	1	4	6	2	6	3
Other/unknown race/ethnicity	18	24	25	23	14	24	19	31	20
Temporary resident	66	80	95	98	76	80	97	98	92
Engineering	5,985	5,384	5,561	5,196	5,282	5,931	6,548	7,402	8,066
U.S. citizens and permanent residents	3,058	2,656	2,562	2,261	2,237	2,347	2,452	2,714	2,994
White	2,307	1,948	1,844	1,592	1,571	1,633	1,696	1,818	1,973
Asian/Pacific Islander	427	380	398	357	292	346	372	470	508
Black	81	91	98	80	94	99	101	110	117
Hispanic	102	86	88	88	106	101	98	105	138
American Indian/Alaska Native	10	5	10	6	12	8	6	7	8
Other/unknown race/ethnicity	131	146	124	138	162	160	179	204	250
Temporary resident	2,927	2,728	2,999	2,935	3,045	3,584	4,096	4,688	5,072
Aerospace engineering	223	203	202	193	178	190	205	209	234
U.S. citizens and permanent residents	144	125	101	77	72	73	91	80	108
White	121	108	79	65	48	61	73	60	81
Asian/Pacific Islander	14	9	11	3	8	8	8	11	8
Black	1	4	1	1	1	0	1	4	2
Hispanic	6	2	7	3	4	3	4	0	7
American Indian/Alaska Native	0	0	0	0	0	0	1	0	0
Other/unknown race/ethnicity	2	2	3	5	11	1	4	5	10
Temporary resident	79	78	101	116	106	117	114	129	126
Chemical engineering	730	665	680	693	608	708	872	911	915
U.S. citizens and permanent residents	351	364	357	354	295	340	360	423	373
White	283	275	271	240	209	242	275	297	250
Asian/Pacific Islander	38	50	49	65	44	64	43	70	63
Black	5	8	15	10	8	7	9	13	18
Hispanic	14	18	8	17	13	9	20	20	16
American Indian/Alaska Native	3	0	3	1	1	1	0	1	1
Other/unknown race/ethnicity	8	13	11	21	20	17	13	22	25
Temporary resident	379	301	323	339	313	368	512	488	542
Civil engineering	699	628	647	669	685	736	830	864	935
U.S. citizens and permanent residents	323	319	300	273	283	257	296	296	359
White	264	238	225	205	216	188	209	208	245
Asian/Pacific Islander	27	37	33	30	19	25	40	44	50
Black	9	8	9	11	11	6	10	9	10
Hispanic	16	11	14	6	14	21	13	16	25
American Indian/Alaska Native	0	1	0	1	0	1	0	0	3
Other/unknown race/ethnicity	7	24	19	20	23	16	24	19	26
Temporary resident	376	309	347	396	402	479	534	568	576
Electrical engineering	1,601	1,515	1,527	1,361	1,402	1,634	1,782	2,124	2,380
U.S. citizens and permanent residents	806	641	587	506	478	531	567	560	645
White	548	436	374	325	282	331	346	346	367
Asian/Pacific Islander	169	120	127	111	112	97	128	121	156
Black	27	23	28	17	19	33	28	20	24
Hispanic	19	17	17	26	22	19	14	11	33
American Indian/Alaska Native	3	1	3	0	3	3	0	2	1
Other/unknown race/ethnicity	40	44	38	27	40	48	51	60	64
Temporary resident	795	874	940	855	924	1,103	1,215	1,564	1,735
Industrial engineering	272	218	262	275	258	280	286	302	364
U.S. citizens and permanent residents	133	104	109	115	93	119	107	117	129
White	95	79	79	83	67	88	73	77	82
Asian/Pacific Islander	14	13	14	10	12	14	17	10	15
Black	9	6	5	6	6	10	6	11	8
Hispanic	7	3	4	9	2	2	4	12	12
American Indian/Alaska Native	0	0	0	0	0	0	0	1	0

TABLE F-6. S&E doctoral degrees awarded, by citizenship, field and race/ethnicity: 1998–2007

Field and race/ethnicity	1998	2000	2001	2002	2003	2004	2005	2006	2007
Other/unknown race/ethnicity	8	3	7	7	6	5	7	6	12
Temporary resident	139	114	153	160	165	161	179	185	235
Materials engineering	542	454	454	381	457	494	514	611	663
U.S. citizens and permanent residents	285	240	217	172	198	205	191	242	286
White	229	191	170	135	150	159	136	163	191
Asian/Pacific Islander	24	27	26	22	14	27	17	38	55
Black	10	5	5	4	9	6	7	11	8
Hispanic	11	7	10	5	9	6	13	12	9
American Indian/Alaska Native	1	0	0	1	0	0	1	0	0
Other/unknown race/ethnicity	10	10	6	5	16	7	17	18	23
Temporary resident	257	214	237	209	259	289	323	369	377
Mechanical engineering	993	821	906	813	786	835	963	1,139	1,138
U.S. citizens and permanent residents	502	384	414	335	336	307	338	388	376
White	389	261	285	236	254	200	242	274	265
Asian/Pacific Islander	61	67	76	49	40	52	42	66	52
Black	11	24	17	16	12	18	12	13	16
Hispanic	16	10	16	11	15	13	14	12	13
American Indian/Alaska Native	1	2	2	2	1	1	2	2	1
Other/unknown race/ethnicity	24	20	18	21	14	23	26	21	29
Temporary resident	491	437	492	478	450	528	625	751	762
Other	925	880	883	811	908	1,054	1,096	1,242	1,437
U.S. citizens and permanent residents	514	479	477	429	482	515	502	608	718
White	378	360	361	303	345	364	342	393	492
Asian/Pacific Islander	80	57	62	67	43	59	77	110	109
Black	9	13	18	15	28	19	28	29	31
Hispanic	13	18	12	11	27	28	16	22	23
American Indian/Alaska Native	2	1	2	1	7	2	2	1	2
Other/unknown race/ethnicity	32	30	22	32	32	43	37	53	61
Temporary resident	411	401	406	382	426	539	594	634	719

NOTES: Data not available for 1999. Data in this table refer to research doctorates only and differ from doctoral degree data in other tables and figures in this report that are based on the NCES Completions Survey. Greatest differences are in psychology.

SOURCE: National Science Foundation, Division of Science Resources Statistics, special tabulations of U.S. Department of Education, National Center for Education Statistics, Integrated Postsecondary Education Data System, Completions Survey, 1998–2007.