

TABLE F-11. S&E doctorates awarded to U.S. citizens and permanent residents, by field, sex, and race/ethnicity: 1999–2006

Field, sex, and race/ethnicity	1999	2000	2001	2002	2003	2004	2005	2006
All S&E	17,570	17,117	16,350	15,535	15,740	15,746	16,024	16,712
Female	7,074	7,134	6,884	6,711	6,831	6,853	7,139	7,468
Male	10,496	9,981	9,466	8,823	8,909	8,893	8,883	9,244
Unknown	0	2	0	1	0	0	2	0
White	13,721	13,444	12,746	11,930	12,029	12,033	12,268	12,672
Female	5,458	5,511	5,257	5,044	5,132	5,098	5,317	5,483
Male	8,263	7,933	7,489	6,885	6,897	6,935	6,951	7,189
Unknown	0	0	0	1	0	0	0	0
Asian ^a	1,932	1,707	1,635	1,620	1,529	1,494	1,634	1,766
Female	715	680	683	679	645	677	746	828
Male	1,217	1,027	952	941	884	817	887	938
Unknown	0	0	0	0	0	0	1	0
Black	716	710	703	688	664	751	706	741
Female	369	391	375	372	378	422	395	436
Male	347	319	328	316	286	329	311	305
Hispanic	722	730	670	723	744	718	802	872
Female	362	350	334	379	366	363	408	442
Male	360	379	336	344	378	355	394	430
Unknown	0	1	0	0	0	0	0	0
American Indian/Alaska Native	114	88	73	69	73	60	67	48
Female	55	45	32	33	39	27	32	23
Male	59	43	41	36	34	33	35	25
Other/unknown race/ethnicity ^b	365	438	523	505	701	690	547	613
Female	115	157	203	204	271	266	241	256
Male	250	280	320	301	430	424	305	357
Unknown	0	1	0	0	0	0	1	0
Science	14,679	14,544	13,895	13,368	13,562	13,558	13,739	14,227
Female	6,581	6,642	6,404	6,267	6,390	6,381	6,661	6,890
Male	8,098	7,900	7,491	7,100	7,172	7,177	7,077	7,337
Unknown	0	2	0	1	0	0	1	0
White	11,610	11,554	10,990	10,451	10,469	10,485	10,662	10,949
Female	5,106	5,177	4,939	4,767	4,831	4,781	5,022	5,131
Male	6,504	6,377	6,051	5,683	5,638	5,704	5,640	5,818
Unknown	0	0	0	1	0	0	0	0
Asian ^a	1,419	1,267	1,208	1,211	1,182	1,140	1,230	1,328
Female	630	570	584	580	564	593	646	696
Male	789	697	624	631	618	547	583	632
Unknown	0	0	0	0	0	0	1	0
Black	618	629	611	603	587	657	606	638
Female	345	367	350	344	359	388	369	394
Male	273	262	261	259	228	269	237	244
Hispanic	639	648	579	625	640	630	713	760
Female	339	337	311	354	343	342	379	409
Male	300	310	268	271	297	288	334	351
Unknown	0	1	0	0	0	0	0	0
American Indian/Alaska Native	102	80	67	63	61	54	58	44
Female	53	41	30	33	36	25	31	23
Male	49	39	37	30	25	29	27	21
Other/unknown race/ethnicity ^b	291	366	440	415	623	592	470	508
Female	108	150	190	189	257	252	214	237
Male	183	215	250	226	366	340	256	271
Unknown	0	1	0	0	0	0	0	0
Agricultural sciences	561	559	506	492	562	566	557	577
Female	185	195	195	181	200	226	224	223
Male	376	364	311	310	362	340	333	354
Unknown	0	0	0	1	0	0	0	0

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Field, sex, and race/ethnicity	1999	2000	2001	2002	2003	2004	2005	2006
White	456	452	430	417	465	470	486	479
Female	147	158	157	150	157	171	181	179
Male	309	294	273	266	308	299	305	300
Unknown	0	0	0	1	0	0	0	0
Asian ^a	50	36	25	29	26	31	22	29
Female	19	12	13	15	16	23	13	15
Male	31	24	12	14	10	8	9	14
Black	27	22	14	13	22	20	16	24
Female	9	11	6	5	8	11	12	8
Male	18	11	8	8	14	9	4	16
Hispanic	16	29	26	21	25	16	18	27
Female	7	11	14	8	11	11	10	14
Male	9	18	12	13	14	5	8	13
American Indian/Alaska Native	1	5	0	2	4	4	3	3
Female	0	1	0	0	1	2	2	2
Male	1	4	0	2	3	2	1	1
Other/unknown race/ethnicity ^b	11	15	11	10	20	25	12	15
Female	3	2	5	3	7	8	6	5
Male	8	13	6	7	13	17	6	10
Biological sciences	4,123	4,268	4,252	4,117	4,061	4,197	4,392	4,467
Female	1,864	1,988	1,974	1,919	1,918	2,006	2,168	2,224
Male	2,259	2,280	2,278	2,198	2,143	2,191	2,223	2,243
Unknown	0	0	0	0	0	0	1	0
White	3,128	3,307	3,261	3,122	3,061	3,189	3,332	3,401
Female	1,402	1,510	1,489	1,392	1,449	1,467	1,606	1,676
Male	1,726	1,797	1,772	1,730	1,612	1,722	1,726	1,725
Asian ^a	608	539	547	561	530	490	536	539
Female	276	263	267	290	254	260	284	278
Male	332	276	280	271	276	230	251	261
Unknown	0	0	0	0	0	0	1	0
Black	116	118	139	125	108	149	159	148
Female	66	74	84	68	64	89	101	91
Male	50	44	55	57	44	60	58	57
Hispanic	174	174	165	182	176	192	227	225
Female	76	92	77	114	80	108	113	108
Male	98	82	88	68	96	84	114	117
American Indian/Alaska Native	20	17	15	12	11	14	12	6
Female	10	7	7	6	8	4	6	2
Male	10	10	8	6	3	10	6	4
Other/unknown race/ethnicity ^b	77	113	125	115	175	163	126	148
Female	34	42	50	49	63	78	58	69
Male	43	71	75	66	112	85	68	79
Computer sciences	493	458	429	422	446	447	469	579
Female	106	86	98	98	99	102	102	127
Male	387	372	331	324	347	345	367	452
White	356	337	325	292	308	320	323	407
Female	71	62	60	60	65	70	58	79
Male	285	275	265	232	243	250	265	328
Asian ^a	87	76	64	87	81	72	92	126
Female	19	15	20	26	17	19	27	41
Male	68	61	44	61	64	53	65	85
Black	19	18	15	17	17	17	15	15
Female	10	5	10	7	5	5	8	4
Male	9	13	5	10	12	12	7	11
Hispanic	14	14	8	14	11	13	12	7

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Field, sex, and race/ethnicity	1999	2000	2001	2002	2003	2004	2005	2006
Female	3	3	4	2	5	3	3	3
Male	11	11	4	12	6	10	9	4
American Indian/Alaska Native	1	1	1	2	2	2	1	2
Female	1	0	0	0	0	0	0	0
Male	0	1	1	2	2	2	1	2
Other/unknown race/ethnicity ^b	16	12	16	10	27	23	26	22
Female	2	1	4	3	7	5	6	0
Male	14	11	12	7	20	18	20	22
Earth, atmospheric, and ocean sciences	471	474	411	433	451	438	442	473
Female	135	145	138	163	153	175	164	178
Male	336	329	273	270	298	263	278	295
White	387	411	354	374	379	379	384	406
Female	110	124	122	140	123	152	138	149
Male	277	287	232	234	256	227	246	257
Asian ^a	35	23	27	24	22	11	18	24
Female	10	9	7	10	8	4	9	13
Male	25	14	20	14	14	7	9	11
Black	11	4	5	5	13	7	6	5
Female	4	1	2	0	7	1	1	2
Male	7	3	3	5	6	6	5	3
Hispanic	20	16	9	14	15	11	18	21
Female	4	3	5	2	6	5	8	11
Male	16	13	4	12	9	6	10	10
American Indian/Alaska Native	6	4	0	0	2	4	4	1
Female	3	1	0	0	1	0	3	0
Male	3	3	0	0	1	4	1	1
Other/unknown race/ethnicity ^b	12	16	16	16	20	26	12	16
Female	4	7	2	11	8	13	5	3
Male	8	9	14	5	12	13	7	13
Mathematics and statistics	605	574	528	444	517	511	542	615
Female	192	164	155	135	152	154	151	169
Male	413	409	373	309	365	357	391	446
Unknown	0	1	0	0	0	0	0	0
White	506	464	429	371	407	399	413	475
Female	159	126	120	112	110	125	106	109
Male	347	338	309	259	297	274	307	366
Asian ^a	56	70	51	28	51	54	67	70
Female	20	21	17	5	24	17	28	32
Male	36	49	34	23	27	37	39	38
Black	12	14	19	14	16	10	22	20
Female	6	7	7	8	5	3	7	8
Male	6	7	12	6	11	7	15	12
Hispanic	15	15	15	12	17	26	24	25
Female	5	7	5	4	7	7	6	10
Male	10	8	10	8	10	19	18	15
American Indian/Alaska Native	1	2	2	3	2	0	0	0
Female	0	1	1	1	1	0	0	0
Male	1	1	1	2	1	0	0	0
Other/unknown race/ethnicity ^b	15	9	12	16	24	22	16	25
Female	2	2	5	5	5	2	4	10
Male	13	6	7	11	19	20	12	15
Unknown	0	1	0	0	0	0	0	0
Physical sciences	2,265	2,072	2,035	1,924	1,951	1,858	1,899	1,993
Female	547	540	523	531	561	502	562	578

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Field, sex, and race/ethnicity	1999	2000	2001	2002	2003	2004	2005	2006
Male	1,718	1,532	1,512	1,393	1,390	1,356	1,337	1,415
White	1,829	1,674	1,636	1,534	1,537	1,468	1,500	1,620
Female	391	414	391	410	421	382	430	433
Male	1,438	1,260	1,245	1,124	1,116	1,086	1,070	1,187
Asian ^a	252	202	200	193	184	164	196	183
Female	93	70	73	61	72	53	66	79
Male	159	132	127	132	112	111	130	104
Black	66	61	55	67	55	60	55	48
Female	29	21	20	28	19	25	17	20
Male	37	40	35	39	36	35	38	28
Hispanic	63	77	65	63	72	62	74	79
Female	22	25	22	22	23	24	32	30
Male	41	52	43	41	49	38	42	49
American Indian/Alaska Native	9	9	12	7	2	5	4	4
Female	3	2	2	0	1	1	0	1
Male	6	7	10	7	1	4	4	3
Other/unknown race/ethnicity ^b	46	49	67	60	101	99	70	59
Female	9	8	15	10	25	17	17	15
Male	37	41	52	50	76	82	53	44
Psychology	3,293	3,231	2,991	2,802	2,859	2,788	2,892	2,798
Female	2,229	2,178	2,012	1,884	1,965	1,891	1,990	2,019
Male	1,064	1,052	979	918	894	897	902	779
Unknown	0	1	0	0	0	0	0	0
White	2,701	2,607	2,420	2,236	2,264	2,137	2,285	2,119
Female	1,789	1,725	1,599	1,485	1,551	1,405	1,551	1,508
Male	912	882	821	751	713	732	734	611
Asian ^a	132	145	114	121	119	152	132	171
Female	98	99	89	82	81	126	106	124
Male	34	46	25	39	38	26	26	47
Black	172	189	174	170	169	206	164	176
Female	135	144	124	128	126	156	125	141
Male	37	45	50	42	43	50	39	35
Hispanic	216	211	169	184	170	172	189	210
Female	158	151	123	129	116	116	127	157
Male	58	59	46	55	54	56	62	53
Unknown	0	1	0	0	0	0	0	0
American Indian/Alaska Native	35	22	17	15	22	12	15	15
Female	23	19	12	8	14	9	9	12
Male	12	3	5	7	8	3	6	3
Other/unknown race/ethnicity ^b	37	57	97	76	115	109	107	107
Female	26	40	65	52	77	79	72	77
Male	11	17	32	24	38	30	35	30
Social sciences	2,868	2,908	2,743	2,734	2,715	2,753	2,546	2,725
Female	1,323	1,346	1,309	1,356	1,342	1,325	1,300	1,372
Male	1,545	1,562	1,434	1,378	1,373	1,428	1,246	1,353
White	2,247	2,302	2,135	2,105	2,048	2,123	1,939	2,042
Female	1,037	1,058	1,001	1,018	955	1,009	952	998
Male	1,210	1,244	1,134	1,087	1,093	1,114	987	1,044
Asian ^a	199	176	180	168	169	166	167	186
Female	95	81	98	91	92	91	113	114
Male	104	95	82	77	77	75	54	72
Black	195	203	190	192	187	188	169	202
Female	86	104	97	100	125	98	98	120
Male	109	99	93	92	62	90	71	82

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Field, sex, and race/ethnicity	1999	2000	2001	2002	2003	2004	2005	2006
Hispanic	121	112	122	135	154	138	151	166
Female	64	45	61	73	95	68	80	76
Male	57	67	61	62	59	70	71	90
American Indian/Alaska Native	29	20	20	22	16	13	19	13
Female	13	10	8	18	10	9	11	6
Male	16	10	12	4	6	4	8	7
Other/unknown race/ethnicity ^b	77	95	96	112	141	125	101	116
Female	28	48	44	56	65	50	46	58
Male	49	47	52	56	76	75	55	58
Engineering	2,891	2,573	2,455	2,167	2,178	2,188	2,285	2,485
Female	493	492	480	444	441	472	478	578
Male	2,398	2,081	1,975	1,723	1,737	1,716	1,806	1,907
Unknown	0	0	0	0	0	0	1	0
White	2,111	1,890	1,756	1,479	1,560	1,548	1,606	1,723
Female	352	334	318	277	301	317	295	352
Male	1,759	1,556	1,438	1,202	1,259	1,231	1,311	1,371
Asian ^a	513	440	427	409	347	354	404	438
Female	85	110	99	99	81	84	100	132
Male	428	330	328	310	266	270	304	306
Black	98	81	92	85	77	94	100	103
Female	24	24	25	28	19	34	26	42
Male	74	57	67	57	58	60	74	61
Hispanic	83	82	91	98	104	88	89	112
Female	23	13	23	25	23	21	29	33
Male	60	69	68	73	81	67	60	79
American Indian/Alaska Native	12	8	6	6	12	6	9	4
Female	2	4	2	0	3	2	1	0
Male	10	4	4	6	9	4	8	4
Other/unknown race/ethnicity ^b	74	72	83	90	78	98	77	105
Female	7	7	13	15	14	14	27	19
Male	67	65	70	75	64	84	49	86
Unknown	0	0	0	0	0	0	1	0

^a Includes Native Hawaiians/other Pacific Islanders through 2000 but excludes them in 2001–2006 per revised Office of Management and Budget guidelines.

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

SOURCE: National Science Foundation, Division of Science Resources Statistics, Survey of Earned Doctorates, 1998–2006.