

TABLE F-11. S&E doctorates awarded to U.S. citizens and permanent residents, by field, sex, and race/ethnicity: 1998–2007

Field, sex, and race/ethnicity	1998	2000	2001	2002	2003	2004	2005	2006	2007
All S&E	18,146	17,446	17,261	16,314	16,855	17,271	17,829	18,400	19,595
Female	7,248	7,421	7,570	7,245	7,588	7,800	8,364	8,543	9,228
Male	10,898	10,025	9,691	9,069	9,267	9,471	9,465	9,857	10,367
White	14,313	13,431	13,020	12,373	12,677	12,770	12,981	13,246	13,981
Female	5,628	5,637	5,596	5,387	5,598	5,594	5,898	5,949	6,423
Male	8,685	7,794	7,424	6,986	7,079	7,176	7,083	7,297	7,558
Asian/Pacific Islander	1,516	1,518	1,556	1,377	1,437	1,540	1,655	1,788	1,973
Female	551	598	636	574	623	696	752	826	897
Male	965	920	920	803	814	844	903	962	1,076
Black	668	727	748	762	775	849	842	899	964
Female	372	391	416	430	458	504	519	546	582
Male	296	336	332	332	317	345	323	353	382
Hispanic	660	719	815	758	784	916	973	1,003	1,071
Female	301	360	439	399	399	507	536	557	602
Male	359	359	376	359	385	409	437	446	469
American Indian/Alaska Native	101	74	78	73	95	103	85	96	105
Female	57	45	42	43	55	52	51	47	57
Male	44	29	36	30	40	51	34	49	48
Other/unknown race/ethnicity	888	977	1,044	971	1,087	1,093	1,293	1,368	1,501
Female	339	390	441	412	455	447	608	618	667
Male	549	587	603	559	632	646	685	750	834
Science	15,088	14,790	14,699	14,053	14,618	14,924	15,377	15,686	16,601
Female	6,820	6,925	7,087	6,794	7,158	7,307	7,853	7,937	8,551
Male	8,268	7,865	7,612	7,259	7,460	7,617	7,524	7,749	8,050
White	12,006	11,483	11,176	10,781	11,106	11,137	11,285	11,428	12,008
Female	5,325	5,297	5,277	5,099	5,316	5,263	5,573	5,589	6,018
Male	6,681	6,186	5,899	5,682	5,790	5,874	5,712	5,839	5,990
Asian/Pacific Islander	1,089	1,138	1,158	1,020	1,145	1,194	1,283	1,318	1,465
Female	478	517	558	483	560	621	661	697	778
Male	611	621	600	537	585	573	622	621	687
Black	587	636	650	682	681	750	741	789	847
Female	353	362	386	406	431	471	490	502	543
Male	234	274	264	276	250	279	251	287	304
Hispanic	558	633	727	670	678	815	875	898	933
Female	288	344	414	379	376	485	508	526	557
Male	270	289	313	291	302	330	367	372	376
American Indian/Alaska Native	91	69	68	67	83	95	79	89	97
Female	54	43	39	43	54	48	51	46	55
Male	37	26	29	24	29	47	28	43	42
Other/unknown race/ethnicity	757	831	920	833	925	933	1,114	1,164	1,251
Female	322	362	413	384	421	419	570	577	600
Male	435	469	507	449	504	514	544	587	651
Agricultural sciences	579	553	544	549	626	601	611	640	643
Female	210	194	210	205	238	234	235	259	278
Male	369	359	334	344	388	367	376	381	365
White	468	470	453	474	522	502	519	526	541
Female	165	158	171	176	184	185	186	204	221
Male	303	312	282	298	338	317	333	322	320
Asian/Pacific Islander	41	26	24	17	28	28	22	25	24
Female	17	11	13	6	19	17	12	14	14
Male	24	15	11	11	9	11	10	11	10
Black	24	20	16	16	26	20	19	28	24
Female	12	10	7	6	13	9	13	14	17
Male	12	10	9	10	13	11	6	14	7
Hispanic	18	13	21	20	16	17	14	36	15

TABLE F-11. S&amp;E doctorates awarded to U.S. citizens and permanent residents, by field, sex, and race/ethnicity: 1998–2007

Field, sex, and race/ethnicity	1998	2000	2001	2002	2003	2004	2005	2006	2007
Female	8	5	8	7	7	8	6	18	5
Male	10	8	13	13	9	9	8	18	10
American Indian/Alaska Native	4	2	1	0	1	7	4	1	3
Female	2	1	1	0	0	3	2	1	2
Male	2	1	0	0	1	4	2	0	1
Other/unknown race/ethnicity	24	22	29	22	33	27	33	24	36
Female	6	9	10	10	15	12	16	8	19
Male	18	13	19	12	18	15	17	16	17
Biological sciences	3,680	3,724	3,579	3,443	3,901	4,118	4,330	4,377	4,713
Female	1,607	1,703	1,616	1,550	1,833	1,929	2,145	2,140	2,327
Male	2,073	2,021	1,963	1,893	2,068	2,189	2,185	2,237	2,386
White	2,878	2,845	2,689	2,613	2,912	3,047	3,172	3,206	3,426
Female	1,235	1,275	1,192	1,135	1,357	1,404	1,528	1,541	1,659
Male	1,643	1,570	1,497	1,478	1,555	1,643	1,644	1,665	1,767
Asian/Pacific Islander	401	429	399	388	475	489	508	477	563
Female	170	200	190	184	216	241	258	241	299
Male	231	229	209	204	259	248	250	236	264
Black	93	106	101	112	110	159	152	173	173
Female	57	64	64	59	70	91	101	100	102
Male	36	42	37	53	40	68	51	73	71
Hispanic	129	149	155	139	171	186	216	212	226
Female	65	70	68	80	79	99	111	111	116
Male	64	79	87	59	92	87	105	101	110
American Indian/Alaska Native	9	8	14	14	18	16	18	19	23
Female	6	3	6	5	11	7	10	7	16
Male	3	5	8	9	7	9	8	12	7
Other/unknown race/ethnicity	170	187	221	177	215	221	264	290	302
Female	74	91	96	87	100	87	137	140	135
Male	96	96	125	90	115	134	127	150	167
Computer sciences	489	402	395	410	413	455	500	551	680
Female	98	73	84	102	90	110	103	130	145
Male	391	329	311	308	323	345	397	421	535
White	388	289	287	264	282	309	308	356	437
Female	76	52	58	66	57	70	60	77	81
Male	312	237	229	198	225	239	248	279	356
Asian/Pacific Islander	56	56	53	72	55	62	88	92	111
Female	12	7	13	19	11	14	16	25	26
Male	44	49	40	53	44	48	72	67	85
Black	9	15	9	21	17	18	19	21	30
Female	5	5	4	8	7	4	8	8	12
Male	4	10	5	13	10	14	11	13	18
Hispanic	9	13	12	19	11	18	17	6	17
Female	1	2	5	3	3	9	5	3	3
Male	8	11	7	16	8	9	12	3	14
American Indian/Alaska Native	1	0	1	1	1	1	0	6	3
Female	0	0	1	1	1	0	0	3	1
Male	1	0	0	0	0	1	0	3	2
Other/unknown race/ethnicity	26	29	33	33	47	47	68	70	82
Female	4	7	3	5	11	13	14	14	22
Male	22	22	30	28	36	34	54	56	60
Earth, atmospheric, and ocean sciences	464	409	362	368	376	356	360	389	481
Female	129	120	119	135	127	130	126	148	205
Male	335	289	243	233	249	226	234	241	276
White	406	344	301	332	318	311	300	328	400

TABLE F-11. S&E doctorates awarded to U.S. citizens and permanent residents, by field, sex, and race/ethnicity: 1998–2007

Field, sex, and race/ethnicity	1998	2000	2001	2002	2003	2004	2005	2006	2007
Female	111	103	100	121	105	112	98	119	161
Male	295	241	201	211	213	199	202	209	239
Asian/Pacific Islander	26	15	25	12	15	12	16	23	11
Female	7	4	3	6	6	6	6	11	5
Male	19	11	22	6	9	6	10	12	6
Black	5	3	3	3	11	5	3	3	7
Female	2	0	0	0	6	1	1	2	3
Male	3	3	3	3	5	4	2	1	4
Hispanic	4	9	10	4	8	10	11	12	18
Female	1	1	5	0	3	6	5	6	12
Male	3	8	5	4	5	4	6	6	6
American Indian/Alaska Native	3	6	0	0	1	3	3	0	2
Female	1	2	0	0	0	1	2	0	1
Male	2	4	0	0	1	2	1	0	1
Other/unknown race/ethnicity	20	32	23	17	23	15	27	23	43
Female	7	10	11	8	7	4	14	10	23
Male	13	22	12	9	16	11	13	13	20
Mathematics and statistics	670	588	525	438	513	508	540	583	645
Female	196	165	145	129	149	153	152	151	193
Male	474	423	380	309	364	355	388	432	452
White	536	457	400	360	389	388	398	428	458
Female	149	127	108	102	108	118	101	102	132
Male	387	330	292	258	281	270	297	326	326
Asian/Pacific Islander	58	71	55	26	43	48	54	63	79
Female	25	19	10	7	16	14	26	20	29
Male	33	52	45	19	27	34	28	43	50
Black	17	13	17	14	19	8	18	20	21
Female	6	4	7	7	4	1	9	5	5
Male	11	9	10	7	15	7	9	15	16
Hispanic	22	12	17	9	17	23	21	27	21
Female	7	6	6	2	6	5	6	11	4
Male	15	6	11	7	11	18	15	16	17
American Indian/Alaska Native	2	2	2	1	1	0	0	0	1
Female	0	2	1	0	1	0	0	0	1
Male	2	0	1	1	0	0	0	0	0
Other/unknown race/ethnicity	35	33	34	28	44	41	49	45	65
Female	9	7	13	11	14	15	10	13	22
Male	26	26	21	17	30	26	39	32	43
Physical sciences	2,487	2,148	2,156	2,044	2,060	1,969	2,036	2,183	2,266
Female	645	563	599	578	599	555	610	655	713
Male	1,842	1,585	1,557	1,466	1,461	1,414	1,426	1,528	1,553
White	1,972	1,672	1,614	1,573	1,591	1,500	1,526	1,645	1,667
Female	474	413	412	436	440	389	432	455	495
Male	1,498	1,259	1,202	1,137	1,151	1,111	1,094	1,190	1,172
Asian/Pacific Islander	226	186	215	170	170	171	209	220	222
Female	77	65	78	48	63	61	71	97	91
Male	149	121	137	122	107	110	138	123	131
Black	58	65	72	69	65	64	52	55	86
Female	31	26	34	31	24	30	16	21	37
Male	27	39	38	38	41	34	36	34	49
Hispanic	49	67	81	69	65	73	76	93	92
Female	11	24	28	22	20	30	34	32	33
Male	38	43	53	47	45	43	42	61	59

TABLE F-11. S&amp;E doctorates awarded to U.S. citizens and permanent residents, by field, sex, and race/ethnicity: 1998–2007

Field, sex, and race/ethnicity	1998	2000	2001	2002	2003	2004	2005	2006	2007
American Indian/Alaska Native	10	8	5	9	6	12	7	9	7
Female	2	1	2	4	4	2	2	1	0
Male	8	7	3	5	2	10	5	8	7
Other/unknown race/ethnicity	172	150	169	154	163	149	166	161	192
Female	50	34	45	37	48	43	55	49	57
Male	122	116	124	117	115	106	111	112	135
Psychology	3,832	4,042	4,381	4,042	4,059	4,191	4,452	4,230	4,450
Female	2,601	2,746	3,012	2,749	2,804	2,898	3,178	3,083	3,235
Male	1,231	1,296	1,369	1,293	1,255	1,293	1,274	1,147	1,215
White	3,109	3,186	3,373	3,104	3,145	3,057	3,241	3,034	3,171
Female	2,078	2,114	2,275	2,079	2,144	2,042	2,287	2,172	2,262
Male	1,031	1,072	1,098	1,025	1,001	1,015	954	862	909
Asian/Pacific Islander	112	181	209	177	195	224	221	242	265
Female	90	136	161	124	140	177	165	180	212
Male	22	45	48	53	55	47	56	62	53
Black	178	214	240	231	241	281	275	256	278
Female	132	160	169	183	177	224	217	214	220
Male	46	54	71	48	64	57	58	42	58
Hispanic	228	267	308	297	247	339	388	367	417
Female	157	195	233	210	175	258	274	282	315
Male	71	72	75	87	72	81	114	85	102
American Indian/Alaska Native	43	28	27	24	31	36	29	32	36
Female	34	23	17	16	24	25	21	23	23
Male	9	5	10	8	7	11	8	9	13
Other/unknown race/ethnicity	162	166	224	209	200	254	298	299	283
Female	110	118	157	137	144	172	214	212	203
Male	52	48	67	72	56	82	84	87	80
Social sciences	2,887	2,924	2,757	2,759	2,670	2,726	2,548	2,733	2,723
Female	1,334	1,361	1,302	1,346	1,318	1,298	1,304	1,371	1,455
Male	1,553	1,563	1,455	1,413	1,352	1,428	1,244	1,362	1,268
White	2,249	2,220	2,059	2,061	1,947	2,023	1,821	1,905	1,908
Female	1,037	1,055	961	984	921	943	881	919	1,007
Male	1,212	1,165	1,098	1,077	1,026	1,080	940	986	901
Asian/Pacific Islander	169	174	178	158	164	160	165	176	190
Female	80	75	90	89	89	91	107	109	102
Male	89	99	88	69	75	69	58	67	88
Black	203	200	192	216	192	195	203	233	228
Female	108	93	101	112	130	111	125	138	147
Male	95	107	91	104	62	84	78	95	81
Hispanic	99	103	123	113	143	149	132	145	127
Female	38	41	61	55	83	70	67	63	69
Male	61	62	62	58	60	79	65	82	58
American Indian/Alaska Native	19	15	18	18	24	20	18	22	22
Female	9	11	11	17	13	10	14	11	11
Male	10	4	7	1	11	10	4	11	11
Other/unknown race/ethnicity	148	212	187	193	200	179	209	252	248
Female	62	86	78	89	82	73	110	131	119
Male	86	126	109	104	118	106	99	121	129
Engineering	3,058	2,656	2,562	2,261	2,237	2,347	2,452	2,714	2,994
Female	428	496	483	451	430	493	511	606	677
Male	2,630	2,160	2,079	1,810	1,807	1,854	1,941	2,108	2,317
White	2,307	1,948	1,844	1,592	1,571	1,633	1,696	1,818	1,973
Female	303	340	319	288	282	331	325	360	405

TABLE F-11. S&E doctorates awarded to U.S. citizens and permanent residents, by field, sex, and race/ethnicity: 1998–2007

Field, sex, and race/ethnicity	1998	2000	2001	2002	2003	2004	2005	2006	2007
Male	2,004	1,608	1,525	1,304	1,289	1,302	1,371	1,458	1,568
Asian/Pacific Islander	427	380	398	357	292	346	372	470	508
Female	73	81	78	91	63	75	91	129	119
Male	354	299	320	266	229	271	281	341	389
Black	81	91	98	80	94	99	101	110	117
Female	19	29	30	24	27	33	29	44	39
Male	62	62	68	56	67	66	72	66	78
Hispanic	102	86	88	88	106	101	98	105	138
Female	13	16	25	20	23	22	28	31	45
Male	89	70	63	68	83	79	70	74	93
American Indian/Alaska Native	10	5	10	6	12	8	6	7	8
Female	3	2	3	0	1	4	0	1	2
Male	7	3	7	6	11	4	6	6	6
Other/unknown race/ethnicity	131	146	124	138	162	160	179	204	250
Female	17	28	28	28	34	28	38	41	67
Male	114	118	96	110	128	132	141	163	183

NOTES: Data not available for 1999. Data in this table differ from doctoral degree data in other tables and figures in this report that are based on NSF Survey of Earned Doctorates and that refer to research doctorates only. 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.