

TABLE F-11. S&E doctorates awarded to U.S. citizens and permanent residents, by field, sex, and race/ethnicity: 1994–2001

Page 1 of 5

Field, sex, and race/ethnicity	1994	1995	1996	1997	1998	1999	2000	2001
All S&E fields	18,187	18,997	18,650	18,398	18,257	17,565	17,106	16,262
Female	6,494	6,913	6,967	6,990	7,170	7,071	7,123	6,867
Male	11,692	12,082	11,683	11,392	11,069	10,494	9,981	9,395
Unknown	1	2	0	16	18	0	2	0
White	13,882	13,889	13,997	13,827	14,001	13,717	13,431	12,708
Female	5,154	5,215	5,351	5,268	5,492	5,456	5,503	5,257
Male	8,728	8,674	8,646	8,557	8,509	8,261	7,928	7,451
Unknown	0	0	0	2	0	0	0	0
Asian/Pacific Islander	2,981	3,659	3,079	2,530	2,135	1,936	1,705	1,636
Female	817	1,111	974	889	760	717	678	686
Male	2,163	2,548	2,105	1,640	1,369	1,219	1,027	950
Unknown	1	0	0	1	6	0	0	0
Black	499	550	573	615	646	714	711	696
Female	216	263	251	285	351	367	392	373
Male	283	287	322	330	295	347	319	323
Hispanic	548	573	626	659	754	721	728	669
Female	230	232	273	266	326	362	348	332
Male	318	341	353	393	428	359	379	337
Unknown	0	0	0	0	0	0	1	0
American Indian/Alaskan Native	64	67	96	79	97	114	88	74
Female	24	25	35	34	42	55	45	32
Male	40	42	61	45	55	59	43	42
Other or unknown race/ethnicity	213	259	279	688	624	363	443	479
Female	53	67	83	248	199	114	157	187
Male	160	190	196	427	413	249	285	292
Unknown	0	2	0	13	12	0	1	0
Sciences	15,134	15,655	15,261	15,066	15,211	14,677	14,537	13,827
Female	6,046	6,393	6,441	6,478	6,718	6,579	6,633	6,393
Male	9,088	9,260	8,820	8,573	8,481	8,098	7,902	7,434
Unknown	0	2	0	15	12	0	2	0
White	11,862	11,797	11,734	11,540	11,831	11,607	11,545	10,962
Female	4,849	4,894	5,003	4,936	5,185	5,104	5,170	4,940
Male	7,013	6,903	6,731	6,602	6,646	6,503	6,375	6,022
Unknown	0	0	0	2	0	0	0	0
Asian/Pacific Islander	2,116	2,627	2,183	1,823	1,581	1,424	1,266	1,214
Female	698	941	840	770	663	633	569	590
Male	1,418	1,686	1,343	1,052	915	791	697	624
Unknown	0	0	0	1	3	0	0	0
Black	445	480	499	517	563	616	630	604
Female	203	248	232	262	329	343	368	348
Male	242	232	267	255	234	273	262	256
Hispanic	482	496	527	562	644	639	646	578
Female	224	221	258	243	313	339	335	310
Male	258	275	269	319	331	300	310	268
Unknown	0	0	0	0	0	0	1	0
American Indian/Alaskan Native	58	58	82	62	84	102	80	67
Female	22	25	33	31	38	53	41	30
Male	36	33	49	31	46	49	39	37
Other or unknown race/ethnicity	171	197	236	562	508	289	370	402
Female	50	64	75	236	190	107	150	175
Male	121	131	161	314	309	182	219	227
Unknown	0	2	0	12	9	0	1	0
Agricultural sciences	616	598	576	550	543	494	502	429
Female	160	135	175	155	183	161	166	164
Male	456	463	401	394	360	333	336	265

TABLE F-11. S&E doctorates awarded to U.S. citizens and permanent residents, by field, sex, and race/ethnicity: 1994–2001

Page 2 of 5

Field, sex, and race/ethnicity	1994	1995	1996	1997	1998	1999	2000	2001
Unknown	0	0	0	1	0	0	0	0
White	487	473	443	411	417	398	414	371
Female	120	104	136	118	140	125	136	135
Male	367	369	307	293	277	273	278	236
Asian/Pacific Islander	72	78	80	63	47	46	30	16
Female	20	16	29	18	18	18	9	9
Male	52	62	51	45	29	28	21	7
Black	22	17	24	24	19	24	18	12
Female	6	6	0	6	4	8	8	6
Male	16	11	24	18	15	16	10	6
Hispanic	25	21	13	26	35	15	26	19
Female	12	5	4	7	13	7	11	9
Male	13	16	9	19	22	8	15	10
American Indian/Alaskan Native	1	2	6	5	9	1	4	0
Female	0	0	4	0	2	0	1	0
Male	1	2	2	5	7	1	3	0
Other or unknown race/ethnicity	9	7	10	21	16	10	10	11
Female	2	4	2	6	6	3	1	5
Male	7	3	8	14	10	7	9	6
Unknown	0	0	0	1	0	0	0	0
Biological sciences	4,088	4,329	4,365	4,256	4,308	4,124	4,265	4,216
Female	1,743	1,859	1,941	1,920	1,921	1,864	1,984	1,958
Male	2,345	2,469	2,424	2,333	2,385	2,260	2,281	2,258
Unknown	0	1	0	3	2	0	0	0
White	3,105	3,115	3,171	3,158	3,246	3,128	3,306	3,240
Female	1,347	1,345	1,399	1,398	1,436	1,402	1,508	1,480
Male	1,758	1,770	1,772	1,759	1,810	1,726	1,798	1,760
Unknown	0	0	0	1	0	0	0	0
Asian/Pacific Islander	719	920	885	721	657	609	538	552
Female	268	409	403	348	291	277	262	269
Male	451	511	482	373	365	332	276	283
Unknown	0	0	0	0	1	0	0	0
Black	78	107	98	112	111	116	118	136
Female	45	43	40	60	70	66	74	82
Male	33	64	58	52	41	50	44	54
Hispanic	131	127	131	146	168	175	173	164
Female	62	47	66	63	79	76	91	76
Male	69	80	65	83	89	99	82	88
American Indian/Alaskan Native	16	15	20	7	12	20	17	15
Female	5	5	9	3	6	10	7	7
Male	11	10	11	4	6	10	10	8
Other or unknown race/ethnicity	39	45	60	112	114	76	113	109
Female	16	10	24	48	39	33	42	44
Male	23	34	36	62	74	43	71	65
Unknown	0	1	0	2	1	0	0	0
Computer sciences	543	616	514	520	561	492	457	420
Female	94	143	91	100	123	105	86	98
Male	449	473	423	419	437	387	371	322
Unknown	0	0	0	1	1	0	0	0
White	401	450	356	361	412	356	335	319
Female	75	103	61	66	84	71	62	60
Male	326	347	295	295	328	285	273	259
Asian/Pacific Islander	116	137	111	107	90	87	76	61
Female	16	30	16	26	23	19	15	20
Male	100	107	95	81	67	68	61	41
Black	10	11	12	4	14	18	18	15

TABLE F-11. S&E doctorates awarded to U.S. citizens and permanent residents, by field, sex, and race/ethnicity: 1994–2001

Page 3 of 5

Field, sex, and race/ethnicity	1994	1995	1996	1997	1998	1999	2000	2001
Female	2	4	3	1	8	9	5	10
Male	8	7	9	3	6	9	13	5
Hispanic	7	6	16	16	15	14	14	8
Female	0	4	7	2	1	3	3	4
Male	7	2	9	14	14	11	11	4
American Indian/Alaskan Native	1	0	4	1	4	1	1	1
Female	1	0	2	1	0	1	0	0
Male	0	0	2	0	4	0	1	1
Other or unknown race/ethnicity	8	12	15	31	26	16	13	16
Female	0	2	2	4	7	2	1	4
Male	8	10	13	26	18	14	12	12
Unknown	0	0	0	1	1	0	0	0
Earth, atmospheric, and ocean sciences	613	594	558	607	562	525	508	464
Female	144	144	130	164	171	152	167	162
Male	469	450	428	442	391	373	341	302
Unknown	0	0	0	1	0	0	0	0
White	504	464	449	487	464	433	430	394
Female	123	108	109	129	140	126	140	139
Male	381	356	340	357	324	307	290	255
Unknown	0	0	0	1	0	0	0	0
Asian/Pacific Islander	89	104	77	71	51	39	27	35
Female	17	28	12	19	19	11	11	10
Male	72	76	65	52	32	28	16	25
Black	6	3	4	8	8	14	7	5
Female	1	0	2	1	2	5	4	2
Male	5	3	2	7	6	9	3	3
Hispanic	8	13	19	16	16	21	18	15
Female	2	6	6	5	6	4	3	9
Male	6	7	13	11	10	17	15	6
American Indian/Alaskan Native	1	0	2	2	3	6	5	0
Female	0	0	0	1	1	3	1	0
Male	1	0	2	1	2	3	4	0
Other or unknown race/ethnicity	5	10	7	23	20	12	21	15
Female	1	2	1	9	3	3	8	2
Male	4	8	6	14	17	9	13	13
Mathematics and statistics	657	771	648	629	669	605	573	522
Female	151	183	145	177	198	192	163	153
Male	506	588	503	452	470	413	409	369
Unknown	0	0	0	0	1	0	1	0
White	479	535	478	479	526	505	463	427
Female	118	126	105	135	150	158	125	119
Male	361	409	373	344	376	347	338	308
Asian/Pacific Islander	142	207	140	97	71	57	70	48
Female	26	49	36	28	27	21	21	16
Male	116	158	104	69	44	36	49	32
Black	11	5	8	7	16	12	14	19
Female	3	1	2	2	7	6	7	7
Male	8	4	6	5	9	6	7	12
Hispanic	13	15	11	20	27	15	15	15
Female	3	4	0	6	7	5	7	5
Male	10	11	11	14	20	10	8	10
American Indian/Alaskan Native	2	2	1	1	3	1	2	2
Female	0	1	0	0	2	0	1	1
Male	2	1	1	1	1	1	1	1
Other or unknown race/ethnicity	10	7	10	25	26	15	9	11
Female	1	2	2	6	5	2	2	5

TABLE F-11. S&E doctorates awarded to U.S. citizens and permanent residents, by field, sex, and race/ethnicity: 1994–2001

Page 4 of 5

Field, sex, and race/ethnicity	1994	1995	1996	1997	1998	1999	2000	2001
Male	9	5	8	19	20	13	6	6
Unknown	0	0	0	0	1	0	1	0
Physical sciences	2,789	2,841	2,570	2,497	2,455	2,277	2,092	2,043
Female	625	708	610	587	604	553	546	526
Male	2,164	2,132	1,960	1,909	1,849	1,724	1,546	1,517
Unknown	0	1	0	1	2	0	0	0
White	2,024	1,924	1,884	1,883	1,915	1,839	1,691	1,647
Female	408	448	430	412	449	396	419	394
Male	1,616	1,476	1,454	1,471	1,466	1,443	1,272	1,253
Asian/Pacific Islander	598	749	501	400	331	253	203	202
Female	177	210	145	132	101	93	71	74
Male	421	539	356	267	228	160	132	128
Unknown	0	0	0	1	2	0	0	0
Black	46	42	60	52	56	66	62	54
Female	13	18	13	11	31	29	21	20
Male	33	24	47	41	25	37	41	34
Hispanic	90	73	67	69	54	63	78	65
Female	21	21	12	15	11	22	25	22
Male	69	52	55	54	43	41	53	43
American Indian/Alaskan Native	6	7	6	10	10	9	9	12
Female	1	2	1	0	1	3	2	2
Male	5	5	5	10	9	6	7	10
Other or unknown race/ethnicity	25	46	52	83	89	47	49	63
Female	5	9	9	17	11	10	8	14
Male	20	36	43	66	78	37	41	49
Unknown	0	1	0	0	0	0	0	0
Psychology	3,136	3,185	3,235	3,130	3,274	3,293	3,230	3,013
Female	1,967	2,057	2,186	2,108	2,211	2,229	2,177	2,035
Male	1,169	1,128	1,049	1,015	1,058	1,064	1,052	978
Unknown	0	0	0	7	5	0	1	0
White	2,729	2,723	2,745	2,525	2,645	2,702	2,603	2,438
Female	1,701	1,742	1,836	1,692	1,763	1,789	1,723	1,617
Male	1,028	981	909	833	882	913	880	821
Asian/Pacific Islander	108	121	121	126	113	132	146	120
Female	76	78	90	95	84	98	99	91
Male	32	43	31	31	29	34	47	29
Black	124	149	152	151	158	172	190	174
Female	78	110	114	110	115	135	145	124
Male	46	39	38	41	43	37	45	50
Hispanic	133	146	173	171	208	215	211	174
Female	90	97	120	107	152	158	151	128
Male	43	49	53	64	56	57	59	46
Unknown	0	0	0	0	0	0	1	0
American Indian/Alaskan Native	12	14	18	18	31	35	22	17
Female	7	8	9	12	18	23	19	12
Male	5	6	9	6	13	12	3	5
Other or unknown race/ethnicity	30	32	26	139	119	37	58	90
Female	15	22	17	92	79	26	40	63
Male	15	10	9	40	35	11	18	27
Unknown	0	0	0	7	5	0	0	0
Social sciences	2,692	2,721	2,795	2,877	2,839	2,867	2,910	2,720
Female	1,162	1,164	1,163	1,267	1,307	1,323	1,344	1,297
Male	1,530	1,557	1,632	1,609	1,531	1,544	1,566	1,423
Unknown	0	0	0	1	1	0	0	0
White	2,133	2,113	2,208	2,236	2,206	2,246	2,303	2,126
Female	957	918	927	986	1,023	1,037	1,057	996

TABLE F-11. S&E doctorates awarded to U.S. citizens and permanent residents, by field, sex, and race/ethnicity: 1994–2001

Page 5 of 5

Field, sex, and race/ethnicity	1994	1995	1996	1997	1998	1999	2000	2001
Male	1,176	1,195	1,281	1,250	1,183	1,209	1,246	1,130
Asian/Pacific Islander	272	311	268	238	221	201	176	180
Female	98	121	109	104	100	96	81	101
Male	174	190	159	134	121	105	95	79
Black	148	146	141	159	181	194	203	189
Female	55	66	58	71	92	85	104	97
Male	93	80	83	88	89	109	99	92
Hispanic	75	95	97	98	121	121	111	118
Female	34	37	43	38	44	64	44	57
Male	41	58	54	60	77	57	67	61
American Indian/Alaskan Native	19	18	25	18	12	29	20	20
Female	8	9	8	14	8	13	10	8
Male	11	9	17	4	4	16	10	12
Other or unknown race/ethnicity	45	38	56	128	98	76	97	87
Female	10	13	18	54	40	28	48	38
Male	35	25	38	73	57	48	49	49
Unknown	0	0	0	1	1	0	0	0
Engineering	3,053	3,342	3,389	3,332	3,046	2,888	2,569	2,435
Female	448	520	526	512	452	492	490	474
Male	2,604	2,822	2,863	2,819	2,588	2,396	2,079	1,961
Unknown	1	0	0	1	6	0	0	0
White	2,020	2,092	2,263	2,287	2,170	2,110	1,886	1,746
Female	305	321	348	332	307	352	333	317
Male	1,715	1,771	1,915	1,955	1,863	1,758	1,553	1,429
Asian/Pacific Islander	865	1,032	896	707	554	512	439	422
Female	119	170	134	119	97	84	109	96
Male	745	862	762	588	454	428	330	326
Unknown	1	0	0	0	3	0	0	0
Black	54	70	74	98	83	98	81	92
Female	13	15	19	23	22	24	24	25
Male	41	55	55	75	61	74	57	67
Hispanic	66	77	99	97	110	82	82	91
Female	6	11	15	23	13	23	13	22
Male	60	66	84	74	97	59	69	69
American Indian/Alaskan Native	6	9	14	17	13	12	8	7
Female	2	0	2	3	4	2	4	2
Male	4	9	12	14	9	10	4	5
Other or unknown race/ethnicity	42	62	43	126	116	74	73	77
Female	3	3	8	12	9	7	7	12
Male	39	59	35	113	104	67	66	65
Unknown	0	0	0	1	3	0	0	0

SOURCE: National Science Foundation, Division of Science Resources Statistics, Survey of Earned Doctorates, 1994–2001.