

TABLE 7-7. S&E doctorates awarded to U.S. citizens and permanent residents, by field, sex, ethnicity, and race: 2004–14

Field, sex, ethnicity, and race	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
All S&E	17,271	17,829	18,400	19,595	20,186	20,560	20,570	21,600	22,259	23,218	24,393
Female	7,800	8,364	8,543	9,228	9,477	9,651	9,468	9,982	10,316	10,794	11,462
Male	9,471	9,465	9,857	10,367	10,709	10,909	11,102	11,618	11,943	12,424	12,931
Hispanic or Latino ^a	916	973	1,003	1,071	1,162	1,098	1,169	1,259	1,327	1,490	1,620
Female	507	536	557	602	639	564	620	654	701	844	879
Male	409	437	446	469	523	534	549	605	626	646	741
Non-Hispanic or Latino	16,355	16,856	17,397	18,524	19,024	19,462	19,401	20,341	20,932	21,728	22,773
Female	7,293	7,828	7,986	8,626	8,838	9,087	8,848	9,328	9,615	9,950	10,583
Male	9,062	9,028	9,411	9,898	10,186	10,375	10,553	11,013	11,317	11,778	12,190
American Indian or Alaska Native	103	85	96	105	102	120	103	108	100	107	110
Female	52	51	47	57	56	61	49	58	50	59	63
Male	51	34	49	48	46	59	54	50	50	48	47
Asian	na	na	na	na	na	na	na	2,073	2,166	2,173	2,218
Female	na	na	na	na	na	na	na	983	1,092	1,070	1,115
Male	na	na	na	na	na	na	na	1,090	1,074	1,103	1,103
Asian or Pacific Islander ^b	1,540	1,655	1,788	1,973	1,933	1,947	2,054	na	na	na	na
Female	696	752	826	897	924	937	1,031	na	na	na	na
Male	844	903	962	1,076	1,009	1,010	1,023	na	na	na	na
Black or African American	849	842	899	964	983	1,041	973	1,101	1,140	1,277	1,375
Female	504	519	546	582	594	630	598	673	684	762	843
Male	345	323	353	382	389	411	375	428	456	515	532
Native Hawaiian or Other Pacific Islander	na	na	na	na	na	na	na	33	20	23	33
Female	na	na	na	na	na	na	na	16	9	12	18
Male	na	na	na	na	na	na	na	17	11	11	15
White	12,770	12,981	13,246	13,981	14,220	14,552	14,278	14,748	15,255	15,816	16,497
Female	5,594	5,898	5,949	6,423	6,500	6,615	6,300	6,565	6,777	6,968	7,344
Male	7,176	7,083	7,297	7,558	7,720	7,937	7,978	8,183	8,478	8,848	9,153
Two or more races ^c	na	na	na	na	na	na	na	182	232	276	377
Female	na	na	na	na	na	na	na	91	115	136	188
Male	na	na	na	na	na	na	na	91	117	140	189
Other or unknown race and ethnicity	1,093	1,293	1,368	1,501	1,786	1,802	1,993	2,096	2,019	2,056	2,163
Female	447	608	618	667	764	844	870	942	888	943	1,012
Male	646	685	750	834	1,022	958	1,123	1,154	1,131	1,113	1,151
Science	14,924	15,377	15,686	16,601	17,006	17,186	17,063	17,887	18,333	19,095	19,942
Female	7,307	7,853	7,937	8,551	8,673	8,795	8,562	9,062	9,315	9,775	10,360
Male	7,617	7,524	7,749	8,050	8,333	8,391	8,501	8,825	9,018	9,320	9,582
Hispanic or Latino ^a	815	875	898	933	1,032	945	973	1,077	1,136	1,288	1,373
Female	485	508	526	557	601	526	555	607	642	777	810
Male	330	367	372	376	431	419	418	470	494	511	563
Non-Hispanic or Latino	14,109	14,502	14,788	15,668	15,974	16,241	16,090	16,810	17,197	17,807	18,569
Female	6,822	7,345	7,411	7,994	8,072	8,269	8,007	8,455	8,673	8,998	9,550
Male	7,287	7,157	7,377	7,674	7,902	7,972	8,083	8,355	8,524	8,809	9,019
American Indian or Alaska Native	95	79	89	97	87	101	93	93	89	100	97
Female	48	51	46	55	51	55	47	57	47	59	61
Male	47	28	43	42	36	46	46	36	42	41	36
Asian	na	na	na	na	na	na	na	1,474	1,593	1,584	1,581
Female	na	na	na	na	na	na	na	797	923	871	900
Male	na	na	na	na	na	na	na	677	670	713	681

TABLE 7-7. S&E doctorates awarded to U.S. citizens and permanent residents, by field, sex, ethnicity, and race: 2004–14

Field, sex, ethnicity, and race	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Asian or Pacific Islander ^b	1,194	1,283	1,318	1,465	1,432	1,443	1,537	na	na	na	na
Female	621	661	697	778	773	799	857	na	na	na	na
Male	573	622	621	687	659	644	680	na	na	na	na
Black or African American	750	741	789	847	855	902	819	960	965	1,090	1,203
Female	471	490	502	543	546	587	546	617	617	695	775
Male	279	251	287	304	309	315	273	343	348	395	428
Native Hawaiian or Other Pacific Islander	na	na	na	na	na	na	na	29	18	16	25
Female	na	na	na	na	na	na	na	14	8	11	16
Male	na	na	na	na	na	na	na	15	10	5	9
White	11,137	11,285	11,428	12,008	12,108	12,317	11,992	12,355	12,663	13,115	13,569
Female	5,263	5,573	5,589	6,018	6,009	6,087	5,792	6,016	6,170	6,372	6,709
Male	5,874	5,712	5,839	5,990	6,099	6,230	6,200	6,339	6,493	6,743	6,860
Two or more races ^c	na	na	na	na	na	na	na	150	190	217	299
Female	na	na	na	na	na	na	na	82	101	121	168
Male	na	na	na	na	na	na	na	68	89	96	131
Other or unknown race and ethnicity	933	1,114	1,164	1,251	1,492	1,478	1,649	1,749	1,679	1,685	1,795
Female	419	570	577	600	693	741	765	872	807	869	921
Male	514	544	587	651	799	737	884	877	872	816	874
Agricultural sciences	601	611	640	643	668	715	639	660	694	770	755
Female	234	235	259	278	274	350	321	317	330	370	365
Male	367	376	381	365	394	365	318	343	364	400	390
Hispanic or Latino ^a	17	14	36	15	18	21	33	45	41	45	49
Female	8	6	18	5	7	13	21	24	21	26	21
Male	9	8	18	10	11	8	12	21	20	19	28
Non-Hispanic or Latino	584	597	604	628	650	694	606	615	653	725	706
Female	226	229	241	273	267	337	300	293	309	344	344
Male	358	368	363	355	383	357	306	322	344	381	362
American Indian or Alaska Native	7	4	1	3	8	5	6	5	9	4	5
Female	3	2	1	2	3	2	3	4	4	3	2
Male	4	2	0	1	5	3	3	1	5	1	3
Asian	na	na	na	na	na	na	na	28	34	29	34
Female	na	na	na	na	na	na	na	16	21	13	19
Male	na	na	na	na	na	na	na	12	13	16	15
Asian or Pacific Islander ^b	28	22	25	24	34	34	32	na	na	na	na
Female	17	12	14	14	20	18	17	na	na	na	na
Male	11	10	11	10	14	16	15	na	na	na	na
Black or African American	20	19	28	24	26	28	47	21	38	33	32
Female	9	13	14	17	18	19	30	8	25	21	18
Male	11	6	14	7	8	9	17	13	13	12	14
Native Hawaiian or Other Pacific Islander	na	na	na	na	na	na	na	1	0	1	1
Female	na	na	na	na	na	na	na	0	0	0	0
Male	na	na	na	na	na	na	na	1	0	1	1
White	502	519	526	541	534	576	480	509	519	586	577
Female	185	186	204	221	204	265	229	239	238	273	277
Male	317	333	322	320	330	311	251	270	281	313	300
Two or more races ^c	na	na	na	na	na	na	na	5	4	7	4
Female	na	na	na	na	na	na	na	3	0	3	4
Male	na	na	na	na	na	na	na	2	4	4	0

TABLE 7-7. S&E doctorates awarded to U.S. citizens and permanent residents, by field, sex, ethnicity, and race: 2004–14

Field, sex, ethnicity, and race	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Other or unknown race and ethnicity	27	33	24	36	48	51	41	46	49	65	53
Female	12	16	8	19	22	33	21	23	21	31	24
Male	15	17	16	17	26	18	20	23	28	34	29
Biological sciences	4,118	4,330	4,377	4,713	5,091	5,310	5,447	5,513	5,705	5,710	5,957
Female	1,929	2,145	2,140	2,327	2,560	2,825	2,930	2,916	3,096	3,069	3,190
Male	2,189	2,185	2,237	2,386	2,531	2,485	2,517	2,597	2,609	2,641	2,767
Hispanic or Latino ^a	186	216	212	226	274	282	326	324	329	393	379
Female	99	111	111	116	140	151	172	176	186	230	207
Male	87	105	101	110	134	131	154	148	143	163	172
Non-Hispanic or Latino	3,932	4,114	4,165	4,487	4,817	5,028	5,121	5,189	5,376	5,317	5,578
Female	1,830	2,034	2,029	2,211	2,420	2,674	2,758	2,740	2,910	2,839	2,983
Male	2,102	2,080	2,136	2,276	2,397	2,354	2,363	2,449	2,466	2,478	2,595
American Indian or Alaska Native	16	18	19	23	20	27	21	25	33	25	16
Female	7	10	7	16	14	12	15	11	18	16	12
Male	9	8	12	7	6	15	6	14	15	9	4
Asian	na	na	na	na	na	na	na	596	659	656	646
Female	na	na	na	na	na	na	na	326	403	386	374
Male	na	na	na	na	na	na	na	270	256	270	272
Asian or Pacific Islander ^b	489	508	477	563	575	567	650	na	na	na	na
Female	241	258	241	299	308	326	385	na	na	na	na
Male	248	250	236	264	267	241	265	na	na	na	na
Black or African American	159	152	173	173	229	252	206	249	267	284	271
Female	91	101	100	102	143	166	147	156	168	179	176
Male	68	51	73	71	86	86	59	93	99	105	95
Native Hawaiian or Other Pacific Islander	na	na	na	na	na	na	na	12	10	7	12
Female	na	na	na	na	na	na	na	8	5	5	8
Male	na	na	na	na	na	na	na	4	5	2	4
White	3,047	3,172	3,206	3,426	3,608	3,782	3,759	3,787	3,859	3,860	4,067
Female	1,404	1,528	1,541	1,659	1,781	1,958	1,955	1,975	2,021	2,000	2,114
Male	1,643	1,644	1,665	1,767	1,827	1,824	1,804	1,812	1,838	1,860	1,953
Two or more races ^c	na	na	na	na	na	na	na	44	59	62	99
Female	na	na	na	na	na	na	na	24	36	38	49
Male	na	na	na	na	na	na	na	20	23	24	50
Other or unknown race and ethnicity	221	264	290	302	385	400	485	476	489	423	467
Female	87	137	140	135	174	212	256	240	259	215	250
Male	134	127	150	167	211	188	229	236	230	208	217
Computer sciences	455	500	551	680	667	730	782	772	819	849	875
Female	110	103	130	145	153	161	177	148	164	181	187
Male	345	397	421	535	514	569	605	624	655	668	688
Hispanic or Latino ^a	18	17	6	17	16	23	17	19	26	40	31
Female	9	5	3	3	2	4	7	0	6	9	10
Male	9	12	3	14	14	19	10	19	20	31	21
Non-Hispanic or Latino	437	483	545	663	651	707	765	753	793	809	844
Female	101	98	127	142	151	157	170	148	158	172	177
Male	336	385	418	521	500	550	595	605	635	637	667
American Indian or Alaska Native	1	0	6	3	0	2	3	3	2	0	7
Female	0	0	3	1	0	1	0	1	1	0	2
Male	1	0	3	2	0	1	3	2	1	0	5

TABLE 7-7. S&E doctorates awarded to U.S. citizens and permanent residents, by field, sex, ethnicity, and race: 2004–14

Field, sex, ethnicity, and race	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Asian	na	na	na	na	na	na	na	128	129	128	110
Female	na	na	na	na	na	na	na	34	37	29	34
Male	na	na	na	na	na	na	na	94	92	99	76
Asian or Pacific Islander ^b	62	88	92	111	87	116	124	na	na	na	na
Female	14	16	25	26	17	29	34	na	na	na	na
Male	48	72	67	85	70	87	90	na	na	na	na
Black or African American	18	19	21	30	24	30	33	31	39	52	52
Female	4	8	8	12	12	9	11	12	16	19	16
Male	14	11	13	18	12	21	22	19	23	33	36
Native Hawaiian or Other Pacific Islander	na	na	na	na	na	na	na	2	0	0	0
Female	na	na	na	na	na	na	na	0	0	0	0
Male	na	na	na	na	na	na	na	2	0	0	0
White	309	308	356	437	446	483	506	514	526	531	554
Female	70	60	77	81	89	102	107	83	90	95	91
Male	239	248	279	356	357	381	399	431	436	436	463
Two or more races ^c	na	na	na	na	na	na	na	3	3	3	7
Female	na	na	na	na	na	na	na	1	0	1	1
Male	na	na	na	na	na	na	na	2	3	2	6
Other or unknown race and ethnicity	47	68	70	82	94	76	99	72	94	95	114
Female	13	14	14	22	33	16	18	17	14	28	33
Male	34	54	56	60	61	60	81	55	80	67	81
Earth, atmospheric, and ocean sciences	356	360	389	481	436	477	481	472	498	540	583
Female	130	126	148	205	168	191	199	190	224	256	277
Male	226	234	241	276	268	286	282	282	274	284	306
Hispanic or Latino ^a	10	11	12	18	17	14	16	14	18	24	21
Female	6	5	6	12	10	4	5	8	11	11	10
Male	4	6	6	6	7	10	11	6	7	13	11
Non-Hispanic or Latino	346	349	377	463	419	463	465	458	480	516	562
Female	124	121	142	193	158	187	194	182	213	245	267
Male	222	228	235	270	261	276	271	276	267	271	295
American Indian or Alaska Native	3	3	0	2	2	2	2	0	2	4	1
Female	1	2	0	1	0	1	0	0	0	0	1
Male	2	1	0	1	2	1	2	0	2	4	0
Asian	na	na	na	na	na	na	na	22	19	13	21
Female	na	na	na	na	na	na	na	8	13	7	12
Male	na	na	na	na	na	na	na	14	6	6	9
Asian or Pacific Islander ^b	12	16	23	11	17	15	15	na	na	na	na
Female	6	6	11	5	7	8	10	na	na	na	na
Male	6	10	12	6	10	7	5	na	na	na	na
Black or African American	5	3	3	7	7	6	5	5	15	11	12
Female	1	1	2	3	3	4	1	2	7	5	5
Male	4	2	1	4	4	2	4	3	8	6	7
Native Hawaiian or Other Pacific Islander	na	na	na	na	na	na	na	0	1	0	0
Female	na	na	na	na	na	na	na	0	1	0	0
Male	na	na	na	na	na	na	na	0	0	0	0
White	311	300	328	400	349	390	395	385	404	450	483
Female	112	98	119	161	134	152	164	154	177	218	227
Male	199	202	209	239	215	238	231	231	227	232	256

TABLE 7-7. S&E doctorates awarded to U.S. citizens and permanent residents, by field, sex, ethnicity, and race: 2004–14

Field, sex, ethnicity, and race	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Two or more races ^c	na	na	na	na	na	na	na	1	6	5	9
Female	na	na	na	na	na	na	na	1	1	2	6
Male	na	na	na	na	na	na	na	0	5	3	3
Other or unknown race and ethnicity	15	27	23	43	44	50	48	45	33	33	36
Female	4	14	10	23	14	22	19	17	14	13	16
Male	11	13	13	20	30	28	29	28	19	20	20
Mathematics and statistics	508	540	583	645	671	788	863	849	852	912	948
Female	153	152	151	193	218	235	245	230	224	242	254
Male	355	388	432	452	453	553	618	619	628	670	694
Hispanic or Latino ^a	23	21	27	21	29	35	31	29	39	34	35
Female	5	6	11	4	5	12	8	9	10	6	7
Male	18	15	16	17	24	23	23	20	29	28	28
Non-Hispanic or Latino	485	519	556	624	642	753	832	820	813	878	913
Female	148	146	140	189	213	223	237	221	214	236	247
Male	337	373	416	435	429	530	595	599	599	642	666
American Indian or Alaska Native	0	0	0	1	2	3	2	5	0	3	1
Female	0	0	0	1	0	1	0	0	0	1	1
Male	0	0	0	0	2	2	2	5	0	2	0
Asian	na	na	na	na	na	na	na	89	70	102	79
Female	na	na	na	na	na	na	na	38	22	34	32
Male	na	na	na	na	na	na	na	51	48	68	47
Asian or Pacific Islander ^b	48	54	63	79	53	78	84	na	na	na	na
Female	14	26	20	29	24	27	39	na	na	na	na
Male	34	28	43	50	29	51	45	na	na	na	na
Black or African American	8	18	20	21	22	27	24	23	21	27	27
Female	1	9	5	5	11	16	9	9	10	6	9
Male	7	9	15	16	11	11	15	14	11	21	18
Native Hawaiian or Other Pacific Islander	na	na	na	na	na	na	na	1	2	0	1
Female	na	na	na	na	na	na	na	0	0	0	0
Male	na	na	na	na	na	na	na	1	2	0	1
White	388	398	428	458	490	559	634	627	636	652	708
Female	118	101	102	132	161	154	168	155	163	170	179
Male	270	297	326	326	329	405	466	472	473	482	529
Two or more races ^c	na	na	na	na	na	na	na	2	9	11	13
Female	na	na	na	na	na	na	na	1	4	3	4
Male	na	na	na	na	na	na	na	1	5	8	9
Other or unknown race and ethnicity	41	49	45	65	75	86	88	73	75	83	84
Female	15	10	13	22	17	25	21	18	15	22	22
Male	26	39	32	43	58	61	67	55	60	61	62
Physical sciences	1,969	2,036	2,183	2,266	2,307	2,486	2,489	2,652	2,709	2,774	2,823
Female	555	610	655	713	692	809	812	860	857	916	906
Male	1,414	1,426	1,528	1,553	1,615	1,677	1,677	1,792	1,852	1,858	1,917
Hispanic or Latino ^a	73	76	93	92	112	115	108	123	132	133	151
Female	30	34	32	33	40	46	50	40	44	58	45
Male	43	42	61	59	72	69	58	83	88	75	106
Non-Hispanic or Latino	1,896	1,960	2,090	2,174	2,195	2,371	2,381	2,529	2,577	2,641	2,672
Female	525	576	623	680	652	763	762	820	813	858	861
Male	1,371	1,384	1,467	1,494	1,543	1,608	1,619	1,709	1,764	1,783	1,811

TABLE 7-7. S&E doctorates awarded to U.S. citizens and permanent residents, by field, sex, ethnicity, and race: 2004–14

Field, sex, ethnicity, and race	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
American Indian or Alaska Native	12	7	9	7	5	10	11	10	6	8	16
Female	2	2	1	0	2	4	4	6	3	2	6
Male	10	5	8	7	3	6	7	4	3	6	10
Asian	na	na	na	na	na	na	na	204	237	236	240
Female	na	na	na	na	na	na	na	89	112	106	104
Male	na	na	na	na	na	na	na	115	125	130	136
Asian or Pacific Islander ^b	171	209	220	222	216	204	217	na	na	na	na
Female	61	71	97	91	86	86	84	na	na	na	na
Male	110	138	123	131	130	118	133	na	na	na	na
Black or African American	64	52	55	86	77	78	80	86	79	95	107
Female	30	16	21	37	36	41	37	45	34	49	49
Male	34	36	34	49	41	37	43	41	45	46	58
Native Hawaiian or Other Pacific Islander	na	na	na	na	na	na	na	6	4	0	3
Female	na	na	na	na	na	na	na	1	2	0	2
Male	na	na	na	na	na	na	na	5	2	0	1
White	1,500	1,526	1,645	1,667	1,685	1,852	1,801	1,913	1,958	2,041	2,002
Female	389	432	455	495	469	565	551	574	576	624	602
Male	1,111	1,094	1,190	1,172	1,216	1,287	1,250	1,339	1,382	1,417	1,400
Two or more races ^c	na	na	na	na	na	na	na	26	28	38	43
Female	na	na	na	na	na	na	na	7	5	14	13
Male	na	na	na	na	na	na	na	19	23	24	30
Other or unknown race and ethnicity	149	166	161	192	212	227	272	284	265	223	261
Female	43	55	49	57	59	67	86	98	81	63	85
Male	106	111	112	135	153	160	186	186	184	160	176
Psychology	4,191	4,452	4,230	4,450	4,359	3,770	3,334	3,694	3,617	4,017	4,320
Female	2,898	3,178	3,083	3,235	3,142	2,730	2,354	2,678	2,623	2,939	3,191
Male	1,293	1,274	1,147	1,215	1,217	1,040	980	1,016	994	1,078	1,129
Hispanic or Latino ^a	339	388	367	417	420	316	277	335	342	408	483
Female	258	274	282	315	315	231	212	243	246	323	377
Male	81	114	85	102	105	85	65	92	96	85	106
Non-Hispanic or Latino	3,852	4,064	3,863	4,033	3,939	3,454	3,057	3,359	3,275	3,609	3,837
Female	2,640	2,904	2,801	2,920	2,827	2,499	2,142	2,435	2,377	2,616	2,814
Male	1,212	1,160	1,062	1,113	1,112	955	915	924	898	993	1,023
American Indian or Alaska Native	36	29	32	36	31	23	19	23	22	31	20
Female	25	21	23	23	22	16	12	21	14	23	15
Male	11	8	9	13	9	7	7	2	8	8	5
Asian	na	na	na	na	na	na	na	189	213	199	213
Female	na	na	na	na	na	na	na	143	174	151	174
Male	na	na	na	na	na	na	na	46	39	48	39
Asian or Pacific Islander ^b	224	221	242	265	252	207	197	na	na	na	na
Female	177	165	180	212	196	163	152	na	na	na	na
Male	47	56	62	53	56	44	45	na	na	na	na
Black or African American	281	275	256	278	271	259	212	275	238	299	362
Female	224	217	214	220	209	200	177	218	194	243	300
Male	57	58	42	58	62	59	35	57	44	56	62
Native Hawaiian or Other Pacific Islander	na	na	na	na	na	na	na	1	0	4	6
Female	na	na	na	na	na	na	na	1	0	3	5
Male	na	na	na	na	na	na	na	0	0	1	1

TABLE 7-7. S&E doctorates awarded to U.S. citizens and permanent residents, by field, sex, ethnicity, and race: 2004–14

Field, sex, ethnicity, and race	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
White	3,057	3,241	3,034	3,171	3,036	2,664	2,342	2,471	2,435	2,633	2,799
Female	2,042	2,287	2,172	2,262	2,157	1,899	1,608	1,761	1,730	1,857	2,001
Male	1,015	954	862	909	879	765	734	710	705	776	798
Two or more races ^c	na	na	na	na	na	na	na	40	45	47	72
Female	na	na	na	na	na	na	na	29	32	36	56
Male	na	na	na	na	na	na	na	11	13	11	16
Other or unknown race and ethnicity	254	298	299	283	349	301	287	360	322	396	365
Female	172	214	212	203	243	221	193	262	233	303	263
Male	82	84	87	80	106	80	94	98	89	93	102
Social sciences	2,726	2,548	2,733	2,723	2,807	2,910	3,028	3,275	3,439	3,523	3,681
Female	1,298	1,304	1,371	1,455	1,466	1,494	1,524	1,723	1,797	1,802	1,990
Male	1,428	1,244	1,362	1,268	1,341	1,416	1,504	1,552	1,642	1,721	1,691
Hispanic or Latino ^a	149	132	145	127	146	139	165	188	209	211	224
Female	70	67	63	69	82	65	80	107	118	114	133
Male	79	65	82	58	64	74	85	81	91	97	91
Non-Hispanic or Latino	2,577	2,416	2,588	2,596	2,661	2,771	2,863	3,087	3,230	3,312	3,457
Female	1,228	1,237	1,308	1,386	1,384	1,429	1,444	1,616	1,679	1,688	1,857
Male	1,349	1,179	1,280	1,210	1,277	1,342	1,419	1,471	1,551	1,624	1,600
American Indian or Alaska Native	20	18	22	22	19	29	29	22	15	25	31
Female	10	14	11	11	10	18	13	14	7	14	22
Male	10	4	11	11	9	11	16	8	8	11	9
Asian	na	na	na	na	na	na	na	218	232	221	238
Female	na	na	na	na	na	na	na	143	141	145	151
Male	na	na	na	na	na	na	na	75	91	76	87
Asian or Pacific Islander ^b	160	165	176	190	198	222	218	na	na	na	na
Female	91	107	109	102	115	142	136	na	na	na	na
Male	69	58	67	88	83	80	82	na	na	na	na
Black or African American	195	203	233	228	199	222	212	270	268	289	340
Female	111	125	138	147	114	132	134	167	163	173	202
Male	84	78	95	81	85	90	78	103	105	116	138
Native Hawaiian or Other Pacific Islander	na	na	na	na	na	na	na	6	1	4	2
Female	na	na	na	na	na	na	na	4	0	3	1
Male	na	na	na	na	na	na	na	2	1	1	1
White	2,023	1,821	1,905	1,908	1,960	2,011	2,075	2,149	2,326	2,362	2,379
Female	943	881	919	1,007	1,014	992	1,010	1,075	1,175	1,135	1,218
Male	1,080	940	986	901	946	1,019	1,065	1,074	1,151	1,227	1,161
Two or more races ^c	na	na	na	na	na	na	na	29	36	44	52
Female	na	na	na	na	na	na	na	16	23	24	35
Male	na	na	na	na	na	na	na	13	13	20	17
Other or unknown race and ethnicity	179	209	252	248	285	287	329	393	352	367	415
Female	73	110	131	119	131	145	151	197	170	194	228
Male	106	99	121	129	154	142	178	196	182	173	187
Engineering	2,347	2,452	2,714	2,994	3,180	3,374	3,507	3,713	3,926	4,123	4,451
Female	493	511	606	677	804	856	906	920	1,001	1,019	1,102
Male	1,854	1,941	2,108	2,317	2,376	2,518	2,601	2,793	2,925	3,104	3,349
Hispanic or Latino ^a	101	98	105	138	130	153	196	182	191	202	247
Female	22	28	31	45	38	38	65	47	59	67	69
Male	79	70	74	93	92	115	131	135	132	135	178

TABLE 7-7. S&E doctorates awarded to U.S. citizens and permanent residents, by field, sex, ethnicity, and race: 2004–14

Field, sex, ethnicity, and race	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Non-Hispanic or Latino	2,246	2,354	2,609	2,856	3,050	3,221	3,311	3,531	3,735	3,921	4,204
Female	471	483	575	632	766	818	841	873	942	952	1,033
Male	1,775	1,871	2,034	2,224	2,284	2,403	2,470	2,658	2,793	2,969	3,171
American Indian or Alaska Native	8	6	7	8	15	19	10	15	11	7	13
Female	4	0	1	2	5	6	2	1	3	0	2
Male	4	6	6	6	10	13	8	14	8	7	11
Asian	na	na	na	na	na	na	na	599	573	589	637
Female	na	na	na	na	na	na	na	186	169	199	215
Male	na	na	na	na	na	na	na	413	404	390	422
Asian or Pacific Islander ^b	346	372	470	508	501	504	517	na	na	na	na
Female	75	91	129	119	151	138	174	na	na	na	na
Male	271	281	341	389	350	366	343	na	na	na	na
Black or African American	99	101	110	117	128	139	154	141	175	187	172
Female	33	29	44	39	48	43	52	56	67	67	68
Male	66	72	66	78	80	96	102	85	108	120	104
Native Hawaiian or Other Pacific Islander	na	na	na	na	na	na	na	4	2	7	8
Female	na	na	na	na	na	na	na	2	1	1	2
Male	na	na	na	na	na	na	na	2	1	6	6
White	1,633	1,696	1,818	1,973	2,112	2,235	2,286	2,393	2,592	2,701	2,928
Female	331	325	360	405	491	528	508	549	607	596	635
Male	1,302	1,371	1,458	1,568	1,621	1,707	1,778	1,844	1,985	2,105	2,293
Two or more races ^c	na	na	na	na	na	na	na	32	42	59	78
Female	na	na	na	na	na	na	na	9	14	15	20
Male	na	na	na	na	na	na	na	23	28	44	58
Other or unknown race and ethnicity	160	179	204	250	294	324	344	347	340	371	368
Female	28	38	41	67	71	103	105	70	81	74	91
Male	132	141	163	183	223	221	239	277	259	297	277

na = not applicable; data were not collected for this detail.

S&E = science and engineering.

^a Beginning in 2008, the category includes Hispanic or Latino of one or more races.

^b Pacific Islander includes Native Hawaiian or Other Pacific Islander.

^c In 2011, the survey required institutions to begin reporting information on more than one race, along with information in the other racial and ethnic categories, but institutions were not required to update the race and ethnicity data of individuals who were already in the system. Therefore, the number reported for more than one race for the early years following 2011 is likely to be an undercount.

NOTES: Data in this table differ from doctoral degree data in this report that are based on the National Science Foundation's Survey of Earned Doctorates (SED). SED data are for research doctorates only. The greatest differences are in psychology, education, and medical and other health sciences. Before 2008, the National Center for Education Statistics (NCES) used two doctoral degree categories: doctor's, and first-professional. In 2008 and 2009, NCES allowed optional reporting in three new doctoral degree categories: doctor's—research or scholarship, doctor's—professional practice, and doctor's—other. In 2010, NCES required institutions to use only the three new doctoral degree categories. With the new reporting system, degrees formerly classified as first-professional (e.g., MDs and JDs) can be reported as doctoral degrees, most often as doctor's—professional practice. In this table, data for 2008 and 2009 include only doctorates reported under the old doctor's degree category plus those reported as doctor's—research or scholarship. Data for 2010 and later include only doctorates reported as doctor's—research or scholarship. Starting with 2011, data reflects the Office of Management and Budget's latest race and ethnicity categories.

SOURCE: National Science Foundation, National Center for Science and Engineering Statistics, special tabulations of U.S. Department of Education, National Center for Education Statistics, Integrated Postsecondary Education Data System, Completions Survey.