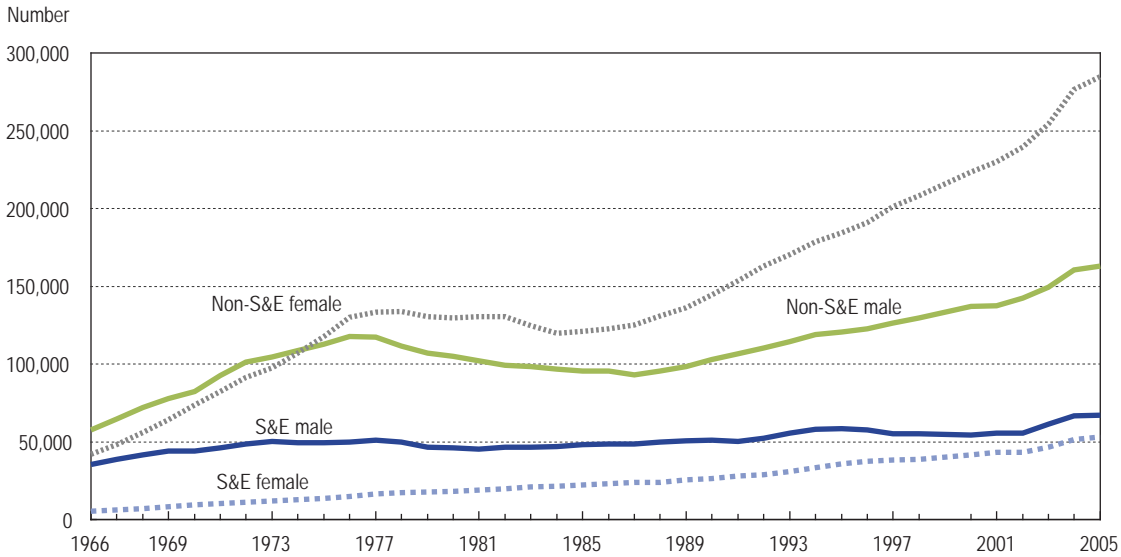


FIGURE E-1. Master's degrees awarded in S&E and non-S&E fields, by sex: 1966–2005



NOTE: National data not available for 1999.

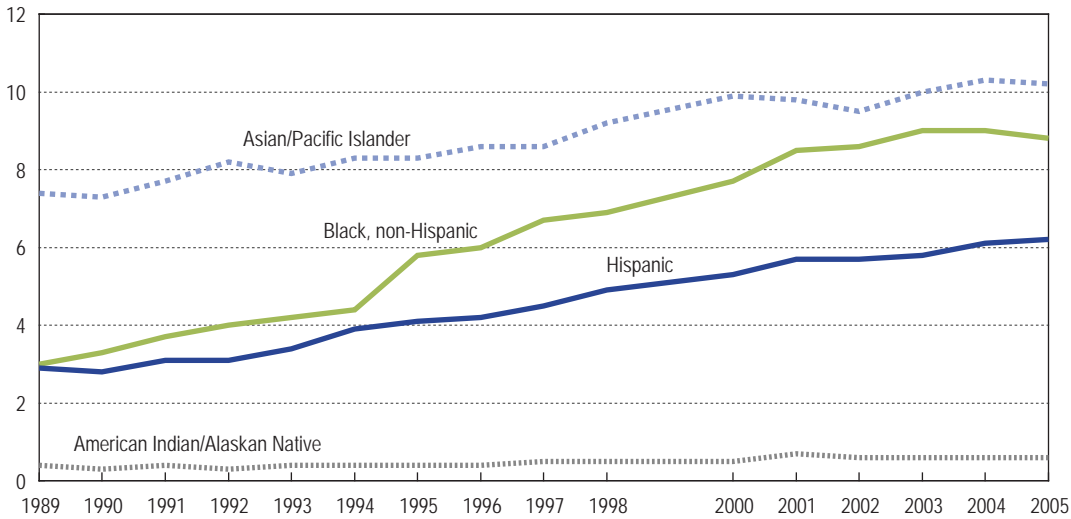
SOURCE: National Science Foundation, Division of Science Resources Statistics, special tabulations of U.S. Department of Education, National Center for Education Statistics, Integrated Postsecondary Education Data System, Completions Survey, 1966–2005.

The number of master's degrees earned by women rose more rapidly than for men.

- The number of S&E master's degrees awarded annually to women rose almost 10-fold from 5,469 in 1966 to 53,051 in 2005.
- In 2005, women earned 44% of S&E master's degrees and 64% of non-S&E master's degrees.
- The number of S&E master's degrees awarded to men rose from 35,580 in 1966 to 66,974 in 2005.

FIGURE E-2. Minority share of S&E master's degrees awarded to U.S. citizens and permanent residents, by race/ethnicity: 1989–2005

Percent



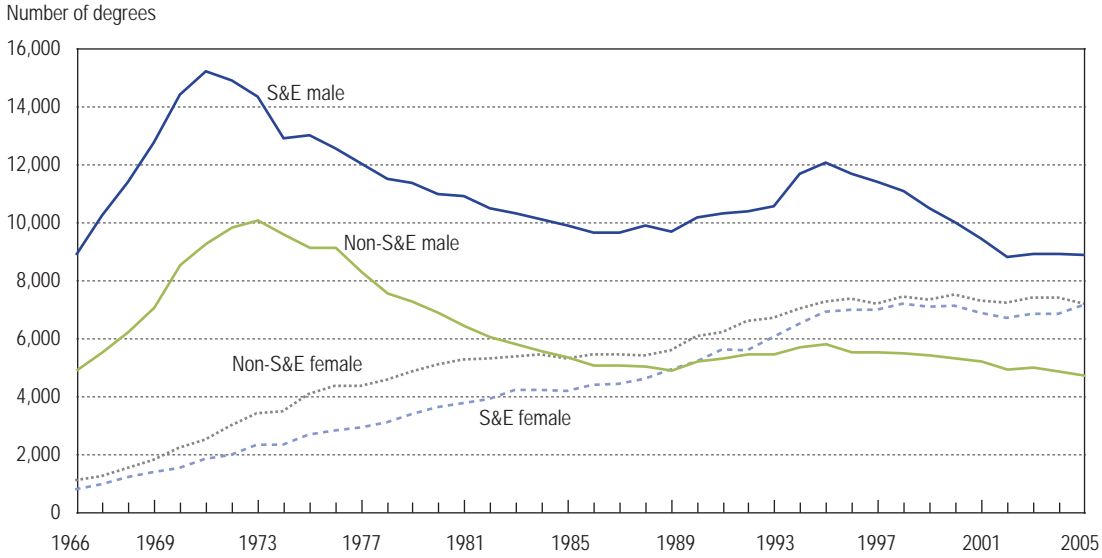
NOTE: National data not available for 1999.

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, 1989–2005.

The number of S&E master's degrees earned by Asians/Pacific Islanders, blacks, Hispanics, and American Indians/Alaskan Natives increased since 1989.

- The percentage of S&E master's degrees awarded increased for all minority groups since 1989.
- The proportion of S&E master's degrees awarded to blacks and Hispanics more than doubled, from 3% to 9% and from 3% to 6%, respectively, from 1989 to 2005.

FIGURE F-1. Doctoral degrees awarded in S&E and non-S&E fields to U.S. citizens and permanent residents, by sex: 1966-2005

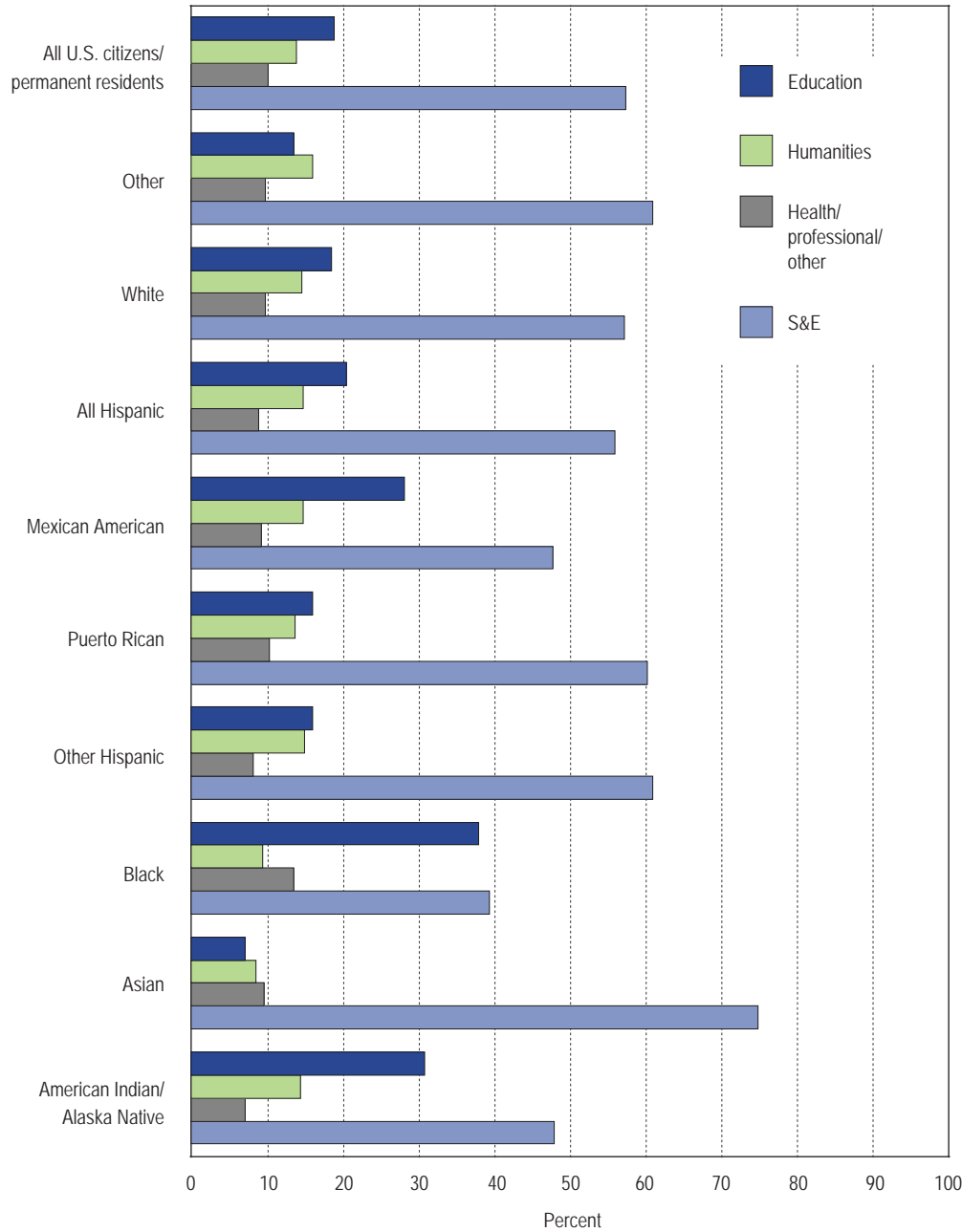


SOURCE: National Science Foundation, Division of Science Resources Statistics, Survey of Earned Doctorates, 1966-2005.

Both the number of U.S. citizen and permanent resident women earning doctoral degrees and their percentage of total awards in S&E and non-S&E fields rose between 1966 and 2005.

- The number of U.S. citizen and permanent resident women earning S&E doctorates rose from 785 in 1966 to 6,913 in 1995 and remained at approximately 7,000 doctorates per year through 2005.
- The number of U.S. citizen and permanent resident men earning S&E doctoral degrees dropped from 1971 through the late 1980s and again from 1995 through 2002.
- By 2005, women earned 45% of S&E and 61% of non-S&E doctoral degrees to U.S. citizens and permanent residents, up from 8% and 18%, respectively, in 1966.

FIGURE F-2. Field distribution of S&E and non-S&E doctoral degrees awarded to U.S. citizens and permanent residents, by race/ethnicity: 2005



NOTE: Hispanic total includes Puerto Rican, Mexican American, and other Hispanic.

SOURCE: National Science Foundation, Division of Science Resources Statistics, Survey of Earned Doctorates, 2005.

The proportion of all doctorates earned in S&E fields varies considerably across racial/ethnic groups.

- More than half of all doctorates awarded to U.S. citizens and permanent residents were earned in S&E fields in 2005.
- Among blacks, more than half of the doctorates earned in 2005 were in non-S&E fields, primarily education.
- In contrast, 75% of doctorates earned by Asians were in S&E fields and 7% were in education in 2005.

TABLE E-1. Master's degrees, by field: 1996–2005

Field	1996	1997	1998	2000	2001	2002	2003	2004	2005
All fields	408,932	420,954	431,871	456,260	466,645	481,132	511,603	555,537	567,875
S&E	95,313	93,485	93,918	95,683	98,986	99,173	107,910	118,470	120,025
Sciences	67,552	67,611	67,780	69,947	72,463	72,907	78,206	84,598	85,926
Agricultural sciences	4,021	3,927	3,862	3,858	3,752	4,019	3,955	4,221	4,171
Biological sciences	6,286	6,594	6,368	6,325	6,487	6,334	6,877	7,647	8,099
Computer sciences	10,613	10,489	11,752	14,529	16,341	16,582	19,248	19,853	17,820
Earth, atmospheric, and ocean sciences	1,487	1,435	1,426	1,345	1,363	1,406	1,491	1,570	1,685
Atmospheric sciences	199	177	199	156	140	141	167	179	255
Earth sciences	1,146	1,145	1,105	1,104	1,121	1,151	1,203	1,248	1,314
Ocean sciences	142	113	122	85	102	114	121	143	116
Mathematics and statistics	3,742	3,599	3,525	3,295	3,280	3,408	3,706	4,297	4,598
Physical sciences	4,364	4,141	3,969	3,512	3,737	3,624	3,702	4,030	4,116
Astronomy	115	93	101	102	93	112	123	150	159
Chemistry	2,273	2,268	2,173	1,908	2,009	1,866	1,830	2,056	1,912
Physics	1,686	1,497	1,401	1,244	1,376	1,353	1,453	1,637	1,846
Other	290	283	294	258	259	293	296	187	199
Psychology	13,043	13,633	13,146	13,708	14,335	14,041	14,469	15,298	16,076
Social sciences	23,996	23,793	23,732	23,375	23,168	23,493	24,758	27,682	29,361
Anthropology	1,051	1,111	1,098	950	1,092	1,017	1,043	1,098	1,107
Area and ethnic studies	1,657	1,587	1,550	1,529	1,515	1,497	1,514	1,617	1,681
Economics	2,964	2,804	2,843	2,515	2,492	2,651	2,951	3,201	3,504
History of science	10	18	22	24	26	35	25	25	29
Linguistics	601	642	568	553	552	520	525	574	611
Political science and public administration	13,370	13,368	13,151	13,035	12,929	13,183	14,115	15,766	17,354
Sociology	1,822	1,752	1,774	2,036	1,901	1,957	1,929	2,031	1,518
Other	2,521	2,511	2,726	2,733	2,661	2,633	2,656	3,370	3,557
Engineering	27,761	25,874	26,138	25,736	26,523	26,266	29,704	33,872	34,099
Aerospace engineering	774	625	584	560	611	682	735	870	946
Chemical engineering	1,416	1,345	1,372	1,352	1,368	1,267	1,365	1,506	1,506
Civil engineering	5,002	4,880	4,736	4,140	4,013	3,947	4,190	4,445	4,631
Electrical engineering	8,156	7,341	7,971	8,339	8,630	8,279	10,075	12,173	11,637
Industrial engineering	3,027	2,935	3,109	3,048	3,401	3,388	3,849	4,244	3,937
Materials engineering	774	724	698	759	709	630	720	800	790
Mechanical engineering	4,009	3,756	3,551	3,378	3,472	3,519	3,839	4,555	4,761
Other	4,603	4,268	4,117	4,160	4,319	4,554	4,931	5,279	5,891
Non-S&E	313,619	327,469	337,953	360,577	367,659	381,959	403,693	437,067	447,850

NOTE: Data not available for 1999.

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, 1996–2005.

TABLE E-2. Master's degrees awarded to women, by field: 1996–2005

Field	1996	1997	1998	2000	2001	2002	2003	2004	2005	1996	2005
	Number									Percent	
All fields	228,572	239,497	246,810	265,026	273,639	283,035	300,845	328,202	337,818	55.9	59.5
S&E	37,453	38,262	38,583	41,470	43,393	43,472	46,711	51,672	53,051	39.3	44.2
Sciences	32,701	33,567	33,420	36,130	37,765	37,898	40,527	44,537	45,444	48.4	52.9
Agricultural sciences	1,707	1,695	1,709	1,819	1,837	1,997	2,059	2,256	2,220	42.5	53.2
Biological sciences	3,341	3,518	3,354	3,510	3,755	3,669	4,018	4,487	4,870	53.1	60.1
Computer sciences	2,850	2,979	3,414	4,868	5,508	5,499	6,091	6,195	5,078	26.9	28.5
Earth, atmospheric, and ocean sciences	436	487	494	513	564	572	612	701	712	29.3	42.3
Atmospheric sciences	35	42	52	37	40	46	55	67	70	17.6	27.5
Earth sciences	347	393	397	434	472	473	501	566	577	30.3	43.9
Ocean sciences	54	52	45	42	52	53	56	68	65	38.0	56.0
Mathematics and statistics	1,506	1,489	1,470	1,498	1,389	1,471	1,677	1,950	2,011	40.2	43.7
Physical sciences	1,450	1,333	1,440	1,215	1,301	1,326	1,324	1,513	1,529	33.2	37.1
Astronomy	27	32	30	25	36	27	42	53	62	23.5	39.0
Chemistry	998	927	998	823	825	852	829	950	939	43.9	49.1
Physics	301	255	255	244	286	286	313	413	427	17.9	23.1
Other	124	119	157	123	154	161	140	97	101	42.8	50.8
Psychology	9,373	9,918	9,540	10,293	10,858	10,672	11,100	11,950	12,632	71.9	78.6
Social sciences	12,038	12,148	11,999	12,414	12,553	12,692	13,646	15,485	16,392	50.2	55.8
Anthropology	631	712	686	587	689	642	655	721	737	60.0	66.6
Area and ethnic studies	856	845	842	879	896	879	888	961	988	51.7	58.8
Economics	1,002	953	944	952	973	1,050	1,161	1,252	1,391	33.8	39.7
History of science	4	7	7	6	10	17	10	14	12	40.0	41.4
Linguistics	393	418	389	407	380	360	380	410	433	65.4	70.9
Political science and public administration	6,654	6,691	6,566	6,720	6,841	6,978	7,723	8,828	9,756	49.8	56.2
Sociology	1,180	1,142	1,118	1,387	1,258	1,315	1,296	1,358	1,033	64.8	68.1
Other	1,318	1,380	1,447	1,476	1,506	1,451	1,533	1,941	2,042	52.3	57.4
Engineering	4,752	4,695	5,163	5,340	5,628	5,574	6,184	7,135	7,607	17.1	22.3
Aerospace engineering	92	75	81	76	90	125	107	149	164	11.9	17.3
Chemical engineering	306	332	344	344	352	335	343	417	425	21.6	28.2
Civil engineering	1,064	1,099	1,154	1,075	1,061	1,063	1,148	1,211	1,322	21.3	28.5
Electrical engineering	1,196	1,144	1,376	1,558	1,673	1,561	1,902	2,385	2,470	14.7	21.2
Industrial engineering	624	604	676	648	789	795	844	906	919	20.6	23.3
Materials engineering	175	174	170	201	173	171	183	199	204	22.6	25.8
Mechanical engineering	454	419	461	455	448	468	459	563	598	11.3	12.6
Other	841	848	901	983	1,042	1,056	1,198	1,305	1,505	18.3	25.5
Non-S&E	191,119	201,235	208,227	223,556	230,246	239,563	254,134	276,530	284,767	60.9	63.6

NOTE: Data not available for 1999.

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, 1996–2005.

TABLE E-3. Master's degrees, by field, citizenship, and race/ethnicity: 1996–2005

Field, citizenship, and race/ethnicity	1996	1997	1998	2000	2001	2002	2003	2004	2005
All fields	408,932	420,954	431,871	456,260	466,645	481,132	511,603	555,537	567,875
S&E	95,313	93,485	93,918	95,683	98,986	99,173	107,910	118,470	120,025
Sciences	67,552	67,611	67,780	69,947	72,463	72,907	78,206	84,598	85,926
Agricultural sciences	4,021	3,927	3,862	3,858	3,752	4,019	3,955	4,221	4,171
Biological sciences	6,286	6,594	6,368	6,325	6,487	6,334	6,877	7,647	8,099
Computer sciences	10,613	10,489	11,752	14,529	16,341	16,582	19,248	19,853	17,820
Earth, atmospheric, and ocean sciences	1,487	1,435	1,426	1,345	1,363	1,406	1,491	1,570	1,685
Atmospheric sciences	199	177	199	156	140	141	167	179	255
Earth sciences	1,146	1,145	1,105	1,104	1,121	1,151	1,203	1,248	1,314
Ocean sciences	142	113	122	85	102	114	121	143	116
Mathematics and statistics	3,742	3,599	3,525	3,295	3,280	3,408	3,706	4,297	4,598
Physical sciences	4,364	4,141	3,969	3,512	3,737	3,624	3,702	4,030	4,116
Astronomy	115	93	101	102	93	112	123	150	159
Chemistry	2,273	2,268	2,173	1,908	2,009	1,866	1,830	2,056	1,912
Physics	1,686	1,497	1,401	1,244	1,376	1,353	1,453	1,637	1,846
Other	290	283	294	258	259	293	296	187	199
Psychology	13,043	13,633	13,146	13,708	14,335	14,041	14,469	15,298	16,076
Social sciences	23,996	23,793	23,732	23,375	23,168	23,493	24,758	27,682	29,361
Anthropology	1,051	1,111	1,098	950	1,092	1,017	1,043	1,098	1,107
Area and ethnic studies	1,657	1,587	1,550	1,529	1,515	1,497	1,514	1,617	1,681
Economics	2,964	2,804	2,843	2,515	2,492	2,651	2,951	3,201	3,504
History of science	10	18	22	24	26	35	25	25	29
Linguistics	601	642	568	553	552	520	525	574	611
Political science and public administration	13,370	13,368	13,151	13,035	12,929	13,183	14,115	15,766	17,354
Sociology	1,822	1,752	1,774	2,036	1,901	1,957	1,929	2,031	1,518
Other	2,521	2,511	2,726	2,733	2,661	2,633	2,656	3,370	3,557
Engineering	27,761	25,874	26,138	25,736	26,523	26,266	29,704	33,872	34,099
Aerospace engineering	774	625	584	560	611	682	735	870	946
Chemical engineering	1,416	1,345	1,372	1,352	1,368	1,267	1,365	1,506	1,506
Civil engineering	5,002	4,880	4,736	4,140	4,013	3,947	4,190	4,445	4,631
Electrical engineering	8,156	7,341	7,971	8,339	8,630	8,279	10,075	12,173	11,637
Industrial engineering	3,027	2,935	3,109	3,048	3,401	3,388	3,849	4,244	3,937
Materials engineering	774	724	698	759	709	630	720	800	790
Mechanical engineering	4,009	3,756	3,551	3,378	3,472	3,519	3,839	4,555	4,761
Other	4,603	4,268	4,117	4,160	4,319	4,554	4,931	5,279	5,891
Non-S&E	313,619	327,469	337,953	360,577	367,659	381,959	403,693	437,067	447,850
U.S. citizen/permanent resident									
All fields	360,682	371,477	379,666	400,689	405,455	417,821	440,227	481,135	495,470
S&E	73,635	72,220	71,295	70,933	71,564	71,623	75,542	83,120	86,563
Sciences	54,870	54,982	54,318	55,020	56,042	56,160	59,212	64,868	67,344
Agricultural sciences	3,363	3,269	3,264	3,342	3,281	3,540	3,440	3,575	3,575
Biological sciences	5,295	5,671	5,468	5,575	5,614	5,529	5,876	6,532	6,886
Computer sciences	6,712	6,516	6,957	7,966	8,596	8,895	10,159	11,033	10,340
Earth, atmospheric, and ocean sciences	1,238	1,198	1,218	1,150	1,191	1,207	1,285	1,312	1,431
Atmospheric sciences	163	143	152	118	116	113	128	135	206
Earth sciences	962	959	972	962	987	1,001	1,046	1,058	1,132
Ocean sciences	113	96	94	70	88	93	111	119	93
Mathematics and statistics	2,712	2,606	2,499	2,184	2,050	2,114	2,193	2,512	2,821
Physical sciences	2,879	2,734	2,680	2,372	2,498	2,436	2,513	2,662	2,735
Astronomy	94	74	82	80	65	77	94	102	122
Chemistry	1,468	1,501	1,446	1,309	1,388	1,260	1,297	1,384	1,289
Physics	1,082	938	882	761	808	829	851	1,010	1,148
Other	235	221	270	222	237	270	271	166	176

TABLE E-3. Master's degrees, by field, citizenship, and race/ethnicity: 1996–2005

Field, citizenship, and race/ethnicity	1996	1997	1998	2000	2001	2002	2003	2004	2005
Psychology	12,619	13,231	12,686	13,241	13,871	13,562	13,804	14,695	15,446
Social sciences	20,052	19,757	19,546	19,190	18,941	18,877	19,942	22,547	24,110
Anthropology	956	1,020	1,012	864	1,004	918	960	993	1,034
Area and ethnic studies	1,489	1,397	1,340	1,300	1,287	1,269	1,266	1,364	1,445
Economics	1,620	1,456	1,440	1,209	1,172	1,191	1,337	1,493	1,774
History of science	10	16	16	22	21	33	18	22	23
Linguistics	430	473	420	380	394	351	353	398	422
Political science and public administration	11,580	11,517	11,220	11,111	10,946	11,037	11,893	13,401	14,860
Sociology	1,647	1,580	1,622	1,845	1,744	1,766	1,744	1,832	1,349
Other	2,320	2,298	2,476	2,459	2,373	2,312	2,371	3,044	3,203
Engineering	18,765	17,238	16,977	15,913	15,522	15,463	16,330	18,252	19,219
Aerospace engineering	576	441	374	339	360	395	447	579	656
Chemical engineering	820	748	780	721	726	662	657	704	739
Civil engineering	3,664	3,664	3,547	3,048	2,780	2,593	2,686	2,782	3,080
Electrical engineering	4,994	4,265	4,452	4,231	3,959	4,036	4,403	5,276	5,229
Industrial engineering	2,044	1,872	2,004	1,872	1,992	1,958	2,084	2,268	2,178
Materials engineering	501	472	447	483	409	386	381	417	451
Mechanical engineering	2,806	2,602	2,423	2,212	2,222	2,214	2,239	2,630	2,847
Other	3,360	3,174	2,950	3,007	3,074	3,219	3,433	3,596	4,039
Non-S&E	287,047	299,257	308,371	329,756	333,891	346,198	364,685	398,015	408,907
White									
All fields	282,713	288,353	291,962	297,226	293,390	296,978	306,552	326,932	336,718
S&E	55,349	53,769	52,328	49,850	48,792	48,410	49,936	54,339	56,082
Sciences	41,773	41,277	40,243	38,830	38,326	38,006	39,210	42,582	43,815
Agricultural sciences	2,918	2,809	2,827	2,864	2,782	2,951	2,898	2,953	2,930
Biological sciences	4,131	4,395	4,212	4,179	4,124	4,085	4,290	4,618	4,862
Computer sciences	4,353	4,105	4,277	4,435	4,541	4,738	5,125	5,686	5,556
Earth, atmospheric, and ocean sciences	1,074	1,084	1,106	1,036	1,043	1,065	1,125	1,144	1,234
Atmospheric sciences	148	128	133	111	99	98	117	120	185
Earth sciences	853	873	889	861	876	890	914	921	963
Ocean sciences	73	83	84	64	68	77	94	103	86
Mathematics and statistics	2,083	2,005	1,895	1,655	1,515	1,555	1,623	1,795	1,982
Physical sciences	2,250	2,088	2,023	1,774	1,874	1,782	1,848	2,023	2,013
Astronomy	79	67	73	65	47	59	67	76	98
Chemistry	1,099	1,068	1,028	929	992	876	905	1,012	886
Physics	866	755	696	585	627	613	642	790	873
Other	206	198	226	195	208	234	234	145	156
Psychology	10,071	10,444	9,820	9,646	9,798	9,315	9,356	9,901	10,141
Social sciences	14,893	14,347	14,083	13,241	12,649	12,515	12,945	14,462	15,097
Anthropology	789	862	839	686	800	705	743	770	779
Area and ethnic studies	999	992	958	898	794	769	720	838	809
Economics	1,205	1,047	1,067	839	840	827	828	927	1,097
History of science	9	12	16	20	18	23	13	17	20
Linguistics	340	364	319	295	284	270	258	290	300
Political science and public administration	8,551	8,185	7,820	7,427	7,005	7,051	7,503	8,353	9,077
Sociology	1,160	1,130	1,165	1,254	1,178	1,183	1,177	1,202	858
Other	1,840	1,755	1,899	1,822	1,730	1,687	1,703	2,065	2,157
Engineering	13,576	12,492	12,085	11,020	10,466	10,404	10,726	11,757	12,267
Aerospace engineering	427	345	297	284	277	310	347	444	500
Chemical engineering	605	541	537	501	487	435	431	455	452
Civil engineering	2,849	2,842	2,777	2,337	2,130	1,931	1,995	2,089	2,245
Electrical engineering	3,165	2,737	2,710	2,474	2,244	2,308	2,433	2,812	2,806
Industrial engineering	1,479	1,360	1,406	1,238	1,290	1,261	1,302	1,361	1,226
Materials engineering	396	350	356	373	295	287	282	304	314
Mechanical engineering	2,119	1,967	1,815	1,630	1,558	1,584	1,618	1,840	2,045



TABLE E-3. Master's degrees, by field, citizenship, and race/ethnicity: 1996–2005

Field, citizenship, and race/ethnicity	1996	1997	1998	2000	2001	2002	2003	2004	2005
Other	2,536	2,350	2,187	2,183	2,185	2,288	2,318	2,452	2,679
Non-S&E	227,364	234,584	239,634	247,376	244,598	248,568	256,616	272,593	280,636
Asian/Pacific Islander									
All fields	17,281	17,912	19,936	21,412	21,946	22,610	24,184	26,990	28,659
S&E	6,328	6,180	6,554	6,990	7,045	6,814	7,589	8,567	8,823
Sciences	3,707	3,861	4,103	4,611	4,631	4,613	5,145	5,565	5,729
Agricultural sciences	110	103	83	94	97	126	99	111	111
Biological sciences	528	575	591	595	540	537	646	763	793
Computer sciences	1,283	1,322	1,579	2,028	2,053	2,004	2,284	2,330	2,193
Earth, atmospheric, and ocean sciences	37	30	30	22	28	37	28	39	31
Atmospheric sciences	6	4	11	4	5	7	4	5	4
Earth sciences	28	19	15	17	17	25	18	28	26
Ocean sciences	3	7	4	1	6	5	6	6	1
Mathematics and statistics	220	238	216	180	205	214	221	275	324
Physical sciences	267	278	248	240	220	213	231	196	244
Astronomy	7	2	4	5	5	4	7	6	7
Chemistry	180	197	172	172	153	125	157	128	154
Physics	77	73	60	53	56	66	57	60	75
Other	3	6	12	10	6	18	10	2	8
Psychology	322	364	379	472	498	526	525	580	582
Social sciences	940	951	977	980	990	956	1,111	1,271	1,451
Anthropology	27	25	36	39	39	34	42	43	44
Area and ethnic studies	86	91	83	78	101	92	101	93	111
Economics	144	155	127	132	113	119	156	157	185
History of science	0	0	0	0	0	2	2	3	1
Linguistics	41	37	41	42	43	26	32	37	41
Political science and public administration	500	478	534	516	534	512	600	715	854
Sociology	65	69	72	66	70	86	95	106	78
Other	77	96	84	107	90	85	83	117	137
Engineering	2,621	2,319	2,451	2,379	2,414	2,201	2,444	3,002	3,094
Aerospace engineering	48	42	35	26	37	29	42	51	55
Chemical engineering	98	87	123	114	120	96	96	135	106
Civil engineering	381	386	329	283	220	204	241	254	298
Electrical engineering	1,096	911	1,082	1,061	1,026	919	1,049	1,421	1,379
Industrial engineering	196	153	180	192	212	190	275	284	332
Materials engineering	51	62	50	54	55	43	53	53	64
Mechanical engineering	328	293	278	265	358	315	262	347	326
Other	423	385	374	384	386	405	426	457	534
Non-S&E	10,953	11,732	13,382	14,422	14,901	15,796	16,595	18,423	19,836
Black									
All fields	24,588	26,948	28,616	33,305	35,059	36,524	39,582	44,375	46,901
S&E	4,420	4,870	4,894	5,492	6,117	6,133	6,800	7,459	7,607
Sciences	3,746	4,196	4,180	4,834	5,417	5,395	5,973	6,606	6,733
Agricultural sciences	88	96	95	84	96	88	103	102	85
Biological sciences	199	236	190	223	313	288	298	385	375
Computer sciences	435	411	424	580	654	659	881	902	740
Earth, atmospheric, and ocean sciences	11	12	15	7	21	18	18	22	19
Atmospheric sciences	0	2	2	0	4	2	2	3	5
Earth sciences	9	10	13	6	15	15	13	16	13
Ocean sciences	2	0	0	1	2	1	3	3	1
Mathematics and statistics	145	154	142	98	113	113	98	115	135
Physical sciences	105	132	131	117	130	121	113	120	101

TABLE E-3. Master's degrees, by field, citizenship, and race/ethnicity: 1996–2005

Field, citizenship, and race/ethnicity	1996	1997	1998	2000	2001	2002	2003	2004	2005
Astronomy	1	2	0	0	0	2	1	1	2
Chemistry	65	84	79	65	82	74	76	87	55
Physics	32	39	34	44	41	37	32	27	39
Other	7	7	18	8	7	8	4	5	5
Psychology	870	1,059	1,020	1,346	1,598	1,631	1,801	1,923	2,135
Social sciences	1,893	2,096	2,163	2,379	2,492	2,477	2,661	3,037	3,143
Anthropology	28	29	26	33	37	32	33	31	30
Area and ethnic studies	98	109	104	91	86	108	122	127	135
Economics	96	96	94	71	66	76	67	70	96
History of science	0	1	0	0	1	2	0	0	0
Linguistics	7	12	12	4	14	5	7	3	9
Political science and public administration	1,198	1,386	1,453	1,585	1,754	1,717	1,861	2,057	2,235
Sociology	261	247	220	344	294	285	274	301	205
Other	205	216	254	251	240	252	297	448	433
Engineering	674	674	714	658	700	738	827	853	874
Aerospace engineering	10	9	7	7	10	14	8	11	19
Chemical engineering	33	35	43	34	34	31	43	31	56
Civil engineering	116	109	127	93	102	101	96	76	100
Electrical engineering	192	168	198	183	188	189	226	238	229
Industrial engineering	112	89	111	90	119	142	158	170	152
Materials engineering	9	18	13	15	9	19	14	21	19
Mechanical engineering	85	110	96	91	89	71	79	85	82
Other	117	136	119	145	149	171	203	221	217
Non-S&E	20,168	22,078	23,722	27,813	28,942	30,391	32,782	36,916	39,294
Hispanic									
All fields	15,394	16,360	17,416	20,803	22,163	23,165	25,257	29,498	31,815
S&E	3,090	3,220	3,462	3,746	4,077	4,089	4,381	5,078	5,365
Sciences	2,342	2,455	2,655	2,894	3,239	3,234	3,505	3,948	4,213
Agricultural sciences	95	105	116	133	123	175	132	171	185
Biological sciences	194	214	192	268	310	267	267	330	359
Computer sciences	188	211	219	288	440	333	555	602	462
Earth, atmospheric, and ocean sciences	27	23	20	30	28	35	28	36	47
Atmospheric sciences	1	3	2	2	0	1	2	2	3
Earth sciences	25	18	17	26	25	31	24	32	43
Ocean sciences	1	2	1	2	3	3	2	2	1
Mathematics and statistics	88	63	85	100	72	82	108	113	130
Physical sciences	100	116	129	96	119	136	144	127	144
Astronomy	4	2	0	2	1	2	2	3	2
Chemistry	46	72	84	56	74	72	90	70	84
Physics	39	36	35	34	37	56	41	44	53
Other	11	6	10	4	7	6	11	10	5
Psychology	667	718	787	837	937	953	957	1,085	1,219
Social sciences	983	1,005	1,107	1,142	1,210	1,253	1,314	1,484	1,667
Anthropology	35	37	48	37	45	59	48	58	62
Area and ethnic studies	102	91	96	107	113	121	139	117	151
Economics	64	71	63	67	53	57	79	80	111
History of science	0	1	0	0	1	0	1	0	0
Linguistics	23	24	27	18	27	19	23	26	26
Political science and public administration	593	634	651	701	736	743	800	905	1,023
Sociology	87	69	97	110	116	140	117	139	111
Other	79	78	125	102	119	114	107	159	183
Engineering	748	765	807	852	838	855	876	1,130	1,152
Aerospace engineering	10	20	16	13	11	19	14	21	39
Chemical engineering	43	51	46	39	40	45	39	40	41
Civil engineering	147	159	158	180	168	187	152	163	208

TABLE E-3. Master's degrees, by field, citizenship, and race/ethnicity: 1996–2005

Field, citizenship, and race/ethnicity	1996	1997	1998	2000	2001	2002	2003	2004	2005
Electrical engineering	208	187	190	211	172	180	242	340	276
Industrial engineering	130	108	150	172	192	204	163	229	239
Materials engineering	21	22	15	15	22	16	6	16	26
Mechanical engineering	98	113	117	99	93	87	117	157	153
Other	91	105	115	123	140	117	143	164	170
Non-S&E	12,304	13,140	13,954	17,057	18,086	19,076	20,876	24,420	26,450
American Indian/Alaskan Native									
All fields	1,693	1,844	1,951	2,099	2,274	2,382	2,546	2,826	2,892
S&E	321	370	372	383	472	420	452	535	486
Sciences	265	317	318	319	412	363	382	450	404
Agricultural sciences	14	18	23	23	18	25	24	23	27
Biological sciences	17	25	21	26	29	34	31	33	29
Computer sciences	26	25	15	32	68	32	42	57	35
Earth, atmospheric, and ocean sciences	5	5	10	9	11	4	9	7	11
Atmospheric sciences	0	0	0	0	0	0	0	0	1
Earth sciences	4	5	8	9	8	4	9	7	10
Ocean sciences	1	0	2	0	3	0	0	0	0
Mathematics and statistics	5	14	9	9	9	8	8	7	9
Physical sciences	5	11	14	9	9	15	12	8	11
Astronomy	0	0	0	0	0	0	1	0	1
Chemistry	3	8	12	5	7	11	5	3	6
Physics	2	2	2	3	2	4	5	5	3
Other	0	1	0	1	0	0	1	0	1
Psychology	78	97	108	69	106	96	104	108	115
Social sciences	115	122	118	142	162	149	152	207	167
Anthropology	12	10	14	14	17	12	11	19	14
Area and ethnic studies	22	21	15	16	20	20	33	27	27
Economics	3	8	5	3	7	10	6	6	10
History of science	0	0	0	0	1	1	0	0	0
Linguistics	2	2	2	1	1	4	1	2	6
Political science and public administration	48	55	49	62	70	74	77	118	90
Sociology	20	16	19	30	28	17	17	17	7
Other	8	10	14	16	18	11	7	18	13
Engineering	56	53	54	64	60	57	70	85	82
Aerospace engineering	5	2	0	0	2	4	2	6	2
Chemical engineering	4	5	1	3	4	2	2	0	4
Civil engineering	9	10	14	14	10	11	13	16	13
Electrical engineering	15	8	9	14	10	13	18	10	20
Industrial engineering	3	6	7	8	15	8	8	19	18
Materials engineering	2	0	0	4	1	2	1	1	1
Mechanical engineering	11	10	13	7	7	6	9	21	6
Other	7	12	10	14	11	11	17	12	18
Non-S&E	1,372	1,474	1,579	1,716	1,802	1,962	2,094	2,291	2,406
Other or unknown race/ethnicity									
All fields	19,013	20,060	19,785	25,844	30,623	36,162	42,106	50,514	48,485
S&E	4,127	3,811	3,685	4,472	5,061	5,757	6,384	7,142	8,200
Sciences	3,037	2,876	2,819	3,532	4,017	4,549	4,997	5,717	6,450
Agricultural sciences	138	138	120	144	165	175	184	215	237
Biological sciences	226	226	262	284	298	318	344	403	468
Computer sciences	427	442	443	603	840	1,129	1,272	1,456	1,354
Earth, atmospheric, and ocean sciences	84	44	37	46	60	48	77	64	89
Atmospheric sciences	8	6	4	1	8	5	3	5	8
Earth sciences	43	34	30	43	46	36	68	54	77

TABLE E-3. Master's degrees, by field, citizenship, and race/ethnicity: 1996–2005

Field, citizenship, and race/ethnicity	1996	1997	1998	2000	2001	2002	2003	2004	2005
Ocean sciences	33	4	3	2	6	7	6	5	4
Mathematics and statistics	171	132	152	142	136	142	135	207	241
Physical sciences	152	109	135	136	146	169	165	188	222
Astronomy	3	1	5	8	12	10	16	16	12
Chemistry	75	72	71	82	80	102	64	84	104
Physics	66	33	55	42	45	53	74	84	105
Other	8	3	4	4	9	4	11	4	1
Psychology	611	549	572	871	934	1,041	1,061	1,098	1,254
Social sciences	1,228	1,236	1,098	1,306	1,438	1,527	1,759	2,086	2,585
Anthropology	65	57	49	55	66	76	83	72	105
Area and ethnic studies	182	93	84	110	173	159	151	162	212
Economics	108	79	84	97	93	102	201	253	275
History of science	1	2	0	2	0	5	2	2	2
Linguistics	17	34	19	20	25	27	32	40	40
Political science and public administration	690	779	713	820	847	940	1,052	1,253	1,581
Sociology	54	49	49	41	58	55	64	67	90
Other	111	143	100	161	176	163	174	237	280
Engineering	1,090	935	866	940	1,044	1,208	1,387	1,425	1,750
Aerospace engineering	76	23	19	9	23	19	34	46	41
Chemical engineering	37	29	30	30	41	53	46	43	80
Civil engineering	162	158	142	141	150	159	189	184	216
Electrical engineering	318	254	263	288	319	427	435	455	519
Industrial engineering	124	156	150	172	164	153	178	205	211
Materials engineering	22	20	13	22	27	19	25	22	27
Mechanical engineering	165	109	104	120	117	151	154	180	235
Other	186	186	145	158	203	227	326	290	421
Non-S&E	14,886	16,249	16,100	21,372	25,562	30,405	35,722	43,372	40,285
Temporary resident									
All fields	48,250	49,477	52,205	55,571	61,190	63,311	71,376	74,402	72,405
S&E	21,678	21,265	22,623	24,750	27,422	27,550	32,368	35,350	33,462
Sciences	12,682	12,629	13,462	14,927	16,421	16,747	18,994	19,730	18,582
Agricultural sciences	658	658	598	516	471	479	515	646	596
Biological sciences	991	923	900	750	873	805	1,001	1,115	1,213
Computer sciences	3,901	3,973	4,795	6,563	7,745	7,687	9,089	8,820	7,480
Earth, atmospheric, and ocean sciences	249	237	208	195	172	199	206	258	254
Atmospheric sciences	36	34	47	38	24	28	39	44	49
Earth sciences	184	186	133	142	134	150	157	190	182
Ocean sciences	29	17	28	15	14	21	10	24	23
Mathematics and statistics	1,030	993	1,026	1,111	1,230	1,294	1,513	1,785	1,777
Physical sciences	1,485	1,407	1,289	1,140	1,239	1,188	1,189	1,368	1,381
Astronomy	21	19	19	22	28	35	29	48	37
Chemistry	805	767	727	599	621	606	533	672	623
Physics	604	559	519	483	568	524	602	627	698
Other	55	62	24	36	22	23	25	21	23
Psychology	424	402	460	467	464	479	665	603	630
Social sciences	3,944	4,036	4,186	4,185	4,227	4,616	4,816	5,135	5,251
Anthropology	95	91	86	86	88	99	83	105	73
Area and ethnic studies	168	190	210	229	228	228	248	253	236
Economics	1,344	1,348	1,403	1,306	1,320	1,460	1,614	1,708	1,730
History of science	0	2	6	2	5	2	7	3	6
Linguistics	171	169	148	173	158	169	172	176	189
Political science and public administration	1,790	1,851	1,931	1,924	1,983	2,146	2,222	2,365	2,494
Sociology	175	172	152	191	157	191	185	199	169
Other	201	213	250	274	288	321	285	326	354

TABLE E-3. Master's degrees, by field, citizenship, and race/ethnicity: 1996–2005

Field, citizenship, and race/ethnicity	1996	1997	1998	2000	2001	2002	2003	2004	2005
Engineering	8,996	8,636	9,161	9,823	11,001	10,803	13,374	15,620	14,880
Aerospace engineering	198	184	210	221	251	287	288	291	290
Chemical engineering	596	597	592	631	642	605	708	802	767
Civil engineering	1,338	1,216	1,189	1,092	1,233	1,354	1,504	1,663	1,551
Electrical engineering	3,162	3,076	3,519	4,108	4,671	4,243	5,672	6,897	6,408
Industrial engineering	983	1,063	1,105	1,176	1,409	1,430	1,765	1,976	1,759
Materials engineering	273	252	251	276	300	244	339	383	339
Mechanical engineering	1,203	1,154	1,128	1,166	1,250	1,305	1,600	1,925	1,914
Other	1,243	1,094	1,167	1,153	1,245	1,335	1,498	1,683	1,852
Non-S&E	26,572	28,212	29,582	30,821	33,768	35,761	39,008	39,052	38,943

NOTES: Race/ethnicity breakouts are for U.S. citizens and permanent residents only. Temporary resident includes all racial/ethnic groups. Data are not available for 1999.

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, 1996–2005.

TABLE E-4. Racial/ethnic distribution of S&E master's degrees awarded to U.S. citizens and permanent residents, by field: 1996–2005  
(Percent)

Field and race/ethnicity	1996	1997	1998	2000	2001	2002	2003	2004	2005
<b>White</b>									
All fields	78.4	77.6	76.9	74.2	72.4	71.1	69.6	68.0	68.0
S&E	75.2	74.5	73.4	70.3	68.2	67.6	66.1	65.4	64.8
Sciences	76.1	75.1	74.1	70.6	68.4	67.7	66.2	65.6	65.1
Agricultural sciences	86.8	85.9	86.6	85.7	84.8	83.4	84.2	82.6	82.0
Biological sciences	78.0	77.5	77.0	75.0	73.5	73.9	73.0	70.7	70.6
Computer sciences	64.9	63.0	61.5	55.7	52.8	53.3	50.4	51.5	53.7
Earth, atmospheric, and ocean sciences	86.8	90.5	90.8	90.1	87.6	88.2	87.5	87.2	86.2
Atmospheric sciences	90.8	89.5	87.5	94.1	85.3	86.7	91.4	88.9	89.8
Earth sciences	88.7	91.0	91.5	89.5	88.8	88.9	87.4	87.1	85.1
Ocean sciences	64.6	86.5	89.4	91.4	77.3	82.8	84.7	86.6	92.5
Mathematics and statistics	76.8	76.9	75.8	75.8	73.9	73.6	74.0	71.5	70.3
Physical sciences	78.2	76.4	75.5	74.8	75.0	73.2	73.5	76.0	73.6
Astronomy	84.0	90.5	89.0	81.3	72.3	76.6	71.3	74.5	80.3
Chemistry	74.9	71.2	71.1	71.0	71.5	69.5	69.8	73.1	68.7
Physics	80.0	80.5	78.9	76.9	77.6	73.9	75.4	78.2	76.0
Other	87.7	89.6	83.7	87.8	87.8	86.7	86.3	87.3	88.6
Psychology	79.8	78.9	77.4	72.8	70.6	68.7	67.8	67.4	65.7
Social sciences	74.3	72.6	72.1	69.0	66.8	66.3	64.9	64.1	62.6
Anthropology	82.5	84.5	82.9	79.4	79.7	76.8	77.4	77.5	75.3
Area and ethnic studies	67.1	71.0	71.5	69.1	61.7	60.6	56.9	61.4	56.0
Economics	74.4	71.9	74.1	69.4	71.7	69.4	61.9	62.1	61.8
History of science	90.0	75.0	100.0	90.9	85.7	69.7	72.2	77.3	87.0
Linguistics	79.1	77.0	76.0	77.6	72.1	76.9	73.1	72.9	71.1
Political science and public administration	73.8	71.1	69.7	66.8	64.0	63.9	63.1	62.3	61.1
Sociology	70.4	71.5	71.8	68.0	67.5	67.0	67.5	65.6	63.6
Other	79.3	76.4	76.7	74.1	72.9	73.0	71.8	67.8	67.3
Engineering	72.3	72.5	71.2	69.3	67.4	67.3	65.7	64.4	63.8
Aerospace engineering	74.1	78.2	79.4	83.8	76.9	78.5	77.6	76.7	76.2
Chemical engineering	73.8	72.3	68.8	69.5	67.1	65.7	65.6	64.6	61.2
Civil engineering	77.8	77.6	78.3	76.7	76.6	74.5	74.3	75.1	72.9
Electrical engineering	63.4	64.2	60.9	58.5	56.7	57.2	55.3	53.3	53.7
Industrial engineering	72.4	72.6	70.2	66.1	64.8	64.4	62.5	60.0	56.3
Materials engineering	79.0	74.2	79.6	77.2	72.1	74.4	74.0	72.9	69.6
Mechanical engineering	75.5	75.6	74.9	73.7	70.1	71.5	72.3	70.0	71.8
Other	75.5	74.0	74.1	72.6	71.1	71.1	67.5	68.2	66.3
Non-S&E	79.2	78.4	77.7	75.0	73.3	71.8	70.4	68.5	68.6
<b>Asian/Pacific Islander</b>									
All fields	4.8	4.8	5.3	5.3	5.4	5.4	5.5	5.6	5.8
S&E	8.6	8.6	9.2	9.9	9.8	9.5	10.0	10.3	10.2
Sciences	6.8	7.0	7.6	8.4	8.3	8.2	8.7	8.6	8.5
Agricultural sciences	3.3	3.2	2.5	2.8	3.0	3.6	2.9	3.1	3.1
Biological sciences	10.0	10.1	10.8	10.7	9.6	9.7	11.0	11.7	11.5
Computer sciences	19.1	20.3	22.7	25.5	23.9	22.5	22.5	21.1	21.2
Earth, atmospheric, and ocean sciences	3.0	2.5	2.5	1.9	2.4	3.1	2.2	3.0	2.2
Atmospheric sciences	3.7	2.8	7.2	3.4	4.3	6.2	3.1	3.7	1.9
Earth sciences	2.9	2.0	1.5	1.8	1.7	2.5	1.7	2.6	2.3
Ocean sciences	2.7	7.3	4.3	1.4	6.8	5.4	5.4	5.0	1.1
Mathematics and statistics	8.1	9.1	8.6	8.2	10.0	10.1	10.1	10.9	11.5
Physical sciences	9.3	10.2	9.3	10.1	8.8	8.7	9.2	7.4	8.9
Astronomy	7.4	2.7	4.9	6.3	7.7	5.2	7.4	5.9	5.7

TABLE E-4. Racial/ethnic distribution of S&E master's degrees awarded to U.S. citizens and permanent residents, by field: 1996–2005

Field and race/ethnicity	1996	1997	1998	2000	2001	2002	2003	2004	2005
Chemistry	12.3	13.1	11.9	13.1	11.0	9.9	12.1	9.2	11.9
Physics	7.1	7.8	6.8	7.0	6.9	8.0	6.7	5.9	6.5
Other	1.3	2.7	4.4	4.5	2.5	6.7	3.7	1.2	4.5
Psychology	2.6	2.8	3.0	3.6	3.6	3.9	3.8	3.9	3.8
Social sciences	4.7	4.8	5.0	5.1	5.2	5.1	5.6	5.6	6.0
Anthropology	2.8	2.5	3.6	4.5	3.9	3.7	4.4	4.3	4.3
Area and ethnic studies	5.8	6.5	6.2	6.0	7.8	7.2	8.0	6.8	7.7
Economics	8.9	10.6	8.8	10.9	9.6	10.0	11.7	10.5	10.4
History of science	0.0	0.0	0.0	0.0	0.0	6.1	11.1	13.6	4.3
Linguistics	9.5	7.8	9.8	11.1	10.9	7.4	9.1	9.3	9.7
Political science and public administration	4.3	4.2	4.8	4.6	4.9	4.6	5.0	5.3	5.7
Sociology	3.9	4.4	4.4	3.6	4.0	4.9	5.4	5.8	5.8
Other	3.3	4.2	3.4	4.4	3.8	3.7	3.5	3.8	4.3
Engineering	14.0	13.5	14.4	15.0	15.6	14.2	15.0	16.4	16.1
Aerospace engineering	8.3	9.5	9.4	7.7	10.3	7.3	9.4	8.8	8.4
Chemical engineering	12.0	11.6	15.8	15.8	16.5	14.5	14.6	19.2	14.3
Civil engineering	10.4	10.5	9.3	9.3	7.9	7.9	9.0	9.1	9.7
Electrical engineering	21.9	21.4	24.3	25.1	25.9	22.8	23.8	26.9	26.4
Industrial engineering	9.6	8.2	9.0	10.3	10.6	9.7	13.2	12.5	15.2
Materials engineering	10.2	13.1	11.2	11.2	13.4	11.1	13.9	12.7	14.2
Mechanical engineering	11.7	11.3	11.5	12.0	16.1	14.2	11.7	13.2	11.5
Other	12.6	12.1	12.7	12.8	12.6	12.6	12.4	12.7	13.2
Non-S&E	3.8	3.9	4.3	4.4	4.5	4.6	4.6	4.6	4.9
Black									
All fields	6.8	7.3	7.5	8.3	8.6	8.7	9.0	9.2	9.5
S&E	6.0	6.7	6.9	7.7	8.5	8.6	9.0	9.0	8.8
Sciences	6.8	7.6	7.7	8.8	9.7	9.6	10.1	10.2	10.0
Agricultural sciences	2.6	2.9	2.9	2.5	2.9	2.5	3.0	2.9	2.4
Biological sciences	3.8	4.2	3.5	4.0	5.6	5.2	5.1	5.9	5.4
Computer sciences	6.5	6.3	6.1	7.3	7.6	7.4	8.7	8.2	7.2
Earth, atmospheric, and ocean sciences	0.9	1.0	1.2	0.6	1.8	1.5	1.4	1.7	1.3
Atmospheric sciences	0.0	1.4	1.3	0.0	3.4	1.8	1.6	2.2	2.4
Earth sciences	0.9	1.0	1.3	0.6	1.5	1.5	1.2	1.5	1.1
Ocean sciences	1.8	0.0	0.0	1.4	2.3	1.1	2.7	2.5	1.1
Mathematics and statistics	5.3	5.9	5.7	4.5	5.5	5.3	4.5	4.6	4.8
Physical sciences	3.6	4.8	4.9	4.9	5.2	5.0	4.5	4.5	3.7
Astronomy	1.1	2.7	0.0	0.0	0.0	2.6	1.1	1.0	1.6
Chemistry	4.4	5.6	5.5	5.0	5.9	5.9	5.9	6.3	4.3
Physics	3.0	4.2	3.9	5.8	5.1	4.5	3.8	2.7	3.4
Other	3.0	3.2	6.7	3.6	3.0	3.0	1.5	3.0	2.8
Psychology	6.9	8.0	8.0	10.2	11.5	12.0	13.0	13.1	13.8
Social sciences	9.4	10.6	11.1	12.4	13.2	13.1	13.3	13.5	13.0
Anthropology	2.9	2.8	2.6	3.8	3.7	3.5	3.4	3.1	2.9
Area and ethnic studies	6.6	7.8	7.8	7.0	6.7	8.5	9.6	9.3	9.3
Economics	5.9	6.6	6.5	5.9	5.6	6.4	5.0	4.7	5.4
History of science	0.0	6.3	0.0	0.0	4.8	6.1	0.0	0.0	0.0
Linguistics	1.6	2.5	2.9	1.1	3.6	1.4	2.0	0.8	2.1
Political science and public administration	10.3	12.0	13.0	14.3	16.0	15.6	15.6	15.3	15.0
Sociology	15.8	15.6	13.6	18.6	16.9	16.1	15.7	16.4	15.2
Other	8.8	9.4	10.3	10.2	10.1	10.9	12.5	14.7	13.5
Engineering	3.6	3.9	4.2	4.1	4.5	4.8	5.1	4.7	4.5
Aerospace engineering	1.7	2.0	1.9	2.1	2.8	3.5	1.8	1.9	2.9

TABLE E-4. Racial/ethnic distribution of S&E master's degrees awarded to U.S. citizens and permanent residents, by field: 1996–2005

(Percent)									
Field and race/ethnicity	1996	1997	1998	2000	2001	2002	2003	2004	2005
Chemical engineering	4.0	4.7	5.5	4.7	4.7	4.7	6.5	4.4	7.6
Civil engineering	3.2	3.0	3.6	3.1	3.7	3.9	3.6	2.7	3.2
Electrical engineering	3.8	3.9	4.4	4.3	4.7	4.7	5.1	4.5	4.4
Industrial engineering	5.5	4.8	5.5	4.8	6.0	7.3	7.6	7.5	7.0
Materials engineering	1.8	3.8	2.9	3.1	2.2	4.9	3.7	5.0	4.2
Mechanical engineering	3.0	4.2	4.0	4.1	4.0	3.2	3.5	3.2	2.9
Other	3.5	4.3	4.0	4.8	4.8	5.3	5.9	6.1	5.4
Non-S&E	7.0	7.4	7.7	8.4	8.7	8.8	9.0	9.3	9.6
Hispanic									
All fields	4.3	4.4	4.6	5.2	5.5	5.5	5.7	6.1	6.4
S&E	4.2	4.5	4.9	5.3	5.7	5.7	5.8	6.1	6.2
Sciences	4.3	4.5	4.9	5.3	5.8	5.8	5.9	6.1	6.3
Agricultural sciences	2.8	3.2	3.6	4.0	3.7	4.9	3.8	4.8	5.2
Biological sciences	3.7	3.8	3.5	4.8	5.5	4.8	4.5	5.1	5.2
Computer sciences	2.8	3.2	3.1	3.6	5.1	3.7	5.5	5.5	4.5
Earth, atmospheric, and ocean sciences	2.2	1.9	1.6	2.6	2.4	2.9	2.2	2.7	3.3
Atmospheric sciences	0.6	2.1	1.3	1.7	0.0	0.9	1.6	1.5	1.5
Earth sciences	2.6	1.9	1.7	2.7	2.5	3.1	2.3	3.0	3.8
Ocean sciences	0.9	2.1	1.1	2.9	3.4	3.2	1.8	1.7	1.1
Mathematics and statistics	3.2	2.4	3.4	4.6	3.5	3.9	4.9	4.5	4.6
Physical sciences	3.5	4.2	4.8	4.0	4.8	5.6	5.7	4.8	5.3
Astronomy	4.3	2.7	0.0	2.5	1.5	2.6	2.1	2.9	1.6
Chemistry	3.1	4.8	5.8	4.3	5.3	5.7	6.9	5.1	6.5
Physics	3.6	3.8	4.0	4.5	4.6	6.8	4.8	4.4	4.6
Other	4.7	2.7	3.7	1.8	3.0	2.2	4.1	6.0	2.8
Psychology	5.3	5.4	6.2	6.3	6.8	7.0	6.9	7.4	7.9
Social sciences	4.9	5.1	5.7	6.0	6.4	6.6	6.6	6.6	6.9
Anthropology	3.7	3.6	4.7	4.3	4.5	6.4	5.0	5.8	6.0
Area and ethnic studies	6.9	6.5	7.2	8.2	8.8	9.5	11.0	8.6	10.4
Economics	4.0	4.9	4.4	5.5	4.5	4.8	5.9	5.4	6.3
History of science	0.0	6.3	0.0	0.0	4.8	0.0	5.6	0.0	0.0
Linguistics	5.3	5.1	6.4	4.7	6.9	5.4	6.5	6.5	6.2
Political science and public administration	5.1	5.5	5.8	6.3	6.7	6.7	6.7	6.8	6.9
Sociology	5.3	4.4	6.0	6.0	6.7	7.9	6.7	7.6	8.2
Other	3.4	3.4	5.0	4.1	5.0	4.9	4.5	5.2	5.7
Engineering	4.0	4.4	4.8	5.4	5.4	5.5	5.4	6.2	6.0
Aerospace engineering	1.7	4.5	4.3	3.8	3.1	4.8	3.1	3.6	5.9
Chemical engineering	5.2	6.8	5.9	5.4	5.5	6.8	5.9	5.7	5.5
Civil engineering	4.0	4.3	4.5	5.9	6.0	7.2	5.7	5.9	6.8
Electrical engineering	4.2	4.4	4.3	5.0	4.3	4.5	5.5	6.4	5.3
Industrial engineering	6.4	5.8	7.5	9.2	9.6	10.4	7.8	10.1	11.0
Materials engineering	4.2	4.7	3.4	3.1	5.4	4.1	1.6	3.8	5.8
Mechanical engineering	3.5	4.3	4.8	4.5	4.2	3.9	5.2	6.0	5.4
Other	2.7	3.3	3.9	4.1	4.6	3.6	4.2	4.6	4.2
Non-S&E	4.3	4.4	4.5	5.2	5.4	5.5	5.7	6.1	6.5
American Indian/Alaskan Native									
All fields	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6
S&E	0.4	0.5	0.5	0.5	0.7	0.6	0.6	0.6	0.6
Sciences	0.5	0.6	0.6	0.6	0.7	0.6	0.6	0.7	0.6
Agricultural sciences	0.4	0.6	0.7	0.7	0.5	0.7	0.7	0.6	0.8
Biological sciences	0.3	0.4	0.4	0.5	0.5	0.6	0.5	0.5	0.4



TABLE E-4. Racial/ethnic distribution of S&E master's degrees awarded to U.S. citizens and permanent residents, by field: 1996–2005  
(Percent)

Field and race/ethnicity	1996	1997	1998	2000	2001	2002	2003	2004	2005
Computer sciences	0.4	0.4	0.2	0.4	0.8	0.4	0.4	0.5	0.3
Earth, atmospheric, and ocean sciences	0.4	0.4	0.8	0.8	0.9	0.3	0.7	0.5	0.8
Atmospheric sciences	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
Earth sciences	0.4	0.5	0.8	0.9	0.8	0.4	0.9	0.7	0.9
Ocean sciences	0.9	0.0	2.1	0.0	3.4	0.0	0.0	0.0	0.0
Mathematics and statistics	0.2	0.5	0.4	0.4	0.4	0.4	0.4	0.3	0.3
Physical sciences	0.2	0.4	0.5	0.4	0.4	0.6	0.5	0.3	0.4
Astronomy	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	0.8
Chemistry	0.2	0.5	0.8	0.4	0.5	0.9	0.4	0.2	0.5
Physics	0.2	0.2	0.2	0.4	0.2	0.5	0.6	0.5	0.3
Other	0.0	0.5	0.0	0.5	0.0	0.0	0.4	0.0	0.6
Psychology	0.6	0.7	0.9	0.5	0.8	0.7	0.8	0.7	0.7
Social sciences	0.6	0.6	0.6	0.7	0.9	0.8	0.8	0.9	0.7
Anthropology	1.3	1.0	1.4	1.6	1.7	1.3	1.1	1.9	1.4
Area and ethnic studies	1.5	1.5	1.1	1.2	1.6	1.6	2.6	2.0	1.9
Economics	0.2	0.5	0.3	0.2	0.6	0.8	0.4	0.4	0.6
History of science	0.0	0.0	0.0	0.0	4.8	3.0	0.0	0.0	0.0
Linguistics	0.5	0.4	0.5	0.3	0.3	1.1	0.3	0.5	1.4
Political science and public administration	0.4	0.5	0.4	0.6	0.6	0.7	0.6	0.9	0.6
Sociology	1.2	1.0	1.2	1.6	1.6	1.0	1.0	0.9	0.5
Other	0.3	0.4	0.6	0.7	0.8	0.5	0.3	0.6	0.4
Engineering	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.5	0.4
Aerospace engineering	0.9	0.5	0.0	0.0	0.6	1.0	0.4	1.0	0.3
Chemical engineering	0.5	0.7	0.1	0.4	0.6	0.3	0.3	0.0	0.5
Civil engineering	0.2	0.3	0.4	0.5	0.4	0.4	0.5	0.6	0.4
Electrical engineering	0.3	0.2	0.2	0.3	0.3	0.3	0.4	0.2	0.4
Industrial engineering	0.1	0.3	0.3	0.4	0.8	0.4	0.4	0.8	0.8
Materials engineering	0.4	0.0	0.0	0.8	0.2	0.5	0.3	0.2	0.2
Mechanical engineering	0.4	0.4	0.5	0.3	0.3	0.3	0.4	0.8	0.2
Other	0.2	0.4	0.3	0.5	0.4	0.3	0.5	0.3	0.4
Non-S&E	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6
Other or unknown race/ethnicity									
All fields	5.3	5.4	5.2	6.4	7.6	8.7	9.6	10.5	9.8
S&E	5.6	5.3	5.2	6.3	7.1	8.0	8.5	8.6	9.5
Sciences	5.5	5.2	5.2	6.4	7.2	8.1	8.4	8.8	9.6
Agricultural sciences	4.1	4.2	3.7	4.3	5.0	4.9	5.3	6.0	6.6
Biological sciences	4.3	4.0	4.8	5.1	5.3	5.8	5.9	6.2	6.8
Computer sciences	6.4	6.8	6.4	7.6	9.8	12.7	12.5	13.2	13.1
Earth, atmospheric, and ocean sciences	6.8	3.7	3.0	4.0	5.0	4.0	6.0	4.9	6.2
Atmospheric sciences	4.9	4.2	2.6	0.8	6.9	4.4	2.3	3.7	3.9
Earth sciences	4.5	3.5	3.1	4.5	4.7	3.6	6.5	5.1	6.8
Ocean sciences	29.2	4.2	3.2	2.9	6.8	7.5	5.4	4.2	4.3
Mathematics and statistics	6.3	5.1	6.1	6.5	6.6	6.7	6.2	8.2	8.5
Physical sciences	5.3	4.0	5.0	5.7	5.8	6.9	6.6	7.1	8.1
Astronomy	3.2	1.4	6.1	10.0	18.5	13.0	17.0	15.7	9.8
Chemistry	5.1	4.8	4.9	6.3	5.8	8.1	4.9	6.1	8.1
Physics	6.1	3.5	6.2	5.5	5.6	6.4	8.7	8.3	9.1
Other	3.4	1.4	1.5	1.8	3.8	1.5	4.1	2.4	0.6
Psychology	4.8	4.1	4.5	6.6	6.7	7.7	7.7	7.5	8.1
Social sciences	6.1	6.3	5.6	6.8	7.6	8.1	8.8	9.3	10.7
Anthropology	6.8	5.6	4.8	6.4	6.6	8.3	8.6	7.3	10.2

TABLE E-4. Racial/ethnic distribution of S&E master's degrees awarded to U.S. citizens and permanent residents, by field: 1996–2005  
(Percent)

Field and race/ethnicity	1996	1997	1998	2000	2001	2002	2003	2004	2005
Area and ethnic studies	12.2	6.7	6.3	8.5	13.4	12.5	11.9	11.9	14.7
Economics	6.7	5.4	5.8	8.0	7.9	8.6	15.0	16.9	15.5
History of science	10.0	12.5	0.0	9.1	0.0	15.2	11.1	9.1	8.7
Linguistics	4.0	7.2	4.5	5.3	6.3	7.7	9.1	10.1	9.5
Political science and public administration	6.0	6.8	6.4	7.4	7.7	8.5	8.8	9.4	10.6
Sociology	3.3	3.1	3.0	2.2	3.3	3.1	3.7	3.7	6.7
Other	4.8	6.2	4.0	6.5	7.4	7.1	7.3	7.8	8.7
Engineering	5.8	5.4	5.1	5.9	6.7	7.8	8.5	7.8	9.1
Aerospace engineering	13.2	5.2	5.1	2.7	6.4	4.8	7.6	7.9	6.3
Chemical engineering	4.5	3.9	3.8	4.2	5.6	8.0	7.0	6.1	10.8
Civil engineering	4.4	4.3	4.0	4.6	5.4	6.1	7.0	6.6	7.0
Electrical engineering	6.4	6.0	5.9	6.8	8.1	10.6	9.9	8.6	9.9
Industrial engineering	6.1	8.3	7.5	9.2	8.2	7.8	8.5	9.0	9.7
Materials engineering	4.4	4.2	2.9	4.6	6.6	4.9	6.6	5.3	6.0
Mechanical engineering	5.9	4.2	4.3	5.4	5.3	6.8	6.9	6.8	8.3
Other	5.5	5.9	4.9	5.3	6.6	7.1	9.5	8.1	10.4
Non-S&E	5.2	5.4	5.2	6.5	7.7	8.8	9.8	10.9	9.9

NOTES: Race/ethnicity breakouts are for U.S. citizens and permanent residents only. Temporary resident includes all racial/ethnic groups. Data are not available for 1999.

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, 1996–2005.

TABLE E-5. Master's degrees awarded to women, by field, citizenship, and race/ethnicity: 1996–2005

Field, citizenship, and race/ethnicity	1996	1997	1998	2000	2001	2002	2003	2004	2005
All fields	228,572	239,497	246,810	265,026	273,639	283,035	300,845	328,202	337,818
S&E	37,453	38,262	38,583	41,470	43,393	43,472	46,711	51,672	53,051
Sciences	32,701	33,567	33,420	36,130	37,765	37,898	40,527	44,537	45,444
Agricultural sciences	1,707	1,695	1,709	1,819	1,837	1,997	2,059	2,256	2,220
Biological sciences	3,341	3,518	3,354	3,510	3,755	3,669	4,018	4,487	4,870
Computer sciences	2,850	2,979	3,414	4,868	5,508	5,499	6,091	6,195	5,078
Earth, atmospheric, and ocean sciences	436	487	494	513	564	572	612	701	712
Atmospheric sciences	35	42	52	37	40	46	55	67	70
Earth sciences	347	393	397	434	472	473	501	566	577
Ocean sciences	54	52	45	42	52	53	56	68	65
Mathematics and statistics	1,506	1,489	1,470	1,498	1,389	1,471	1,677	1,950	2,011
Physical sciences	1,450	1,333	1,440	1,215	1,301	1,326	1,324	1,513	1,529
Astronomy	27	32	30	25	36	27	42	53	62
Chemistry	998	927	998	823	825	852	829	950	939
Physics	301	255	255	244	286	286	313	413	427
Other	124	119	157	123	154	161	140	97	101
Psychology	9,373	9,918	9,540	10,293	10,858	10,672	11,100	11,950	12,632
Social sciences	12,038	12,148	11,999	12,414	12,553	12,692	13,646	15,485	16,392
Anthropology	631	712	686	587	689	642	655	721	737
Area and ethnic studies	856	845	842	879	896	879	888	961	988
Economics	1,002	953	944	952	973	1,050	1,161	1,252	1,391
History of science	4	7	7	6	10	17	10	14	12
Linguistics	393	418	389	407	380	360	380	410	433
Political science and public administration	6,654	6,691	6,566	6,720	6,841	6,978	7,723	8,828	9,756
Sociology	1,180	1,142	1,118	1,387	1,258	1,315	1,296	1,358	1,033
Other	1,318	1,380	1,447	1,476	1,506	1,451	1,533	1,941	2,042
Engineering	4,752	4,695	5,163	5,340	5,628	5,574	6,184	7,135	7,607
Aerospace engineering	92	75	81	76	90	125	107	149	164
Chemical engineering	306	332	344	344	352	335	343	417	425
Civil engineering	1,064	1,099	1,154	1,075	1,061	1,063	1,148	1,211	1,322
Electrical engineering	1,196	1,144	1,376	1,558	1,673	1,561	1,902	2,385	2,470
Industrial engineering	624	604	676	648	789	795	844	906	919
Materials engineering	175	174	170	201	173	171	183	199	204
Mechanical engineering	454	419	461	455	448	468	459	563	598
Other	841	848	901	983	1,042	1,056	1,198	1,305	1,505
Non-S&E	191,119	201,235	208,227	223,556	230,246	239,563	254,134	276,530	284,767
U.S. citizen/permanent resident									
All fields	210,372	220,221	226,085	242,244	248,590	256,938	272,030	298,321	307,845
S&E	31,300	31,983	31,669	33,169	34,334	34,383	36,238	40,335	42,036
Sciences	27,940	28,737	28,229	29,856	30,961	30,941	32,702	36,357	37,743
Agricultural sciences	1,447	1,448	1,466	1,601	1,611	1,751	1,804	1,932	1,931
Biological sciences	2,810	3,010	2,850	3,051	3,248	3,177	3,431	3,829	4,125
Computer sciences	1,853	1,867	2,020	2,546	2,774	2,871	3,124	3,461	2,853
Earth, atmospheric, and ocean sciences	374	421	443	456	495	497	544	603	614
Atmospheric sciences	20	32	37	22	28	33	38	50	52
Earth sciences	311	341	364	396	420	419	453	496	506
Ocean sciences	43	48	42	38	47	45	53	57	56
Mathematics and statistics	1,147	1,142	1,100	1,011	888	936	966	1,103	1,211
Physical sciences	964	894	972	832	893	913	944	1,021	1,058
Astronomy	23	28	27	20	28	21	33	38	55
Chemistry	631	602	646	551	559	567	593	635	639

TABLE E-5. Master's degrees awarded to women, by field, citizenship, and race/ethnicity: 1996–2005

Field, citizenship, and race/ethnicity	1996	1997	1998	2000	2001	2002	2003	2004	2005
Physics	195	158	151	151	163	173	181	260	272
Other	115	106	148	110	143	152	137	88	92
Psychology	9,070	9,641	9,193	9,947	10,521	10,325	10,585	11,488	12,147
Social sciences	10,275	10,314	10,185	10,412	10,531	10,471	11,304	12,920	13,804
Anthropology	573	658	634	530	628	582	615	652	694
Area and ethnic studies	779	731	734	736	756	728	738	812	834
Economics	518	486	454	439	434	458	497	557	676
History of science	4	7	6	4	7	16	8	11	8
Linguistics	284	312	293	273	272	244	255	282	299
Political science and public administration	5,812	5,817	5,687	5,837	5,925	5,975	6,640	7,623	8,499
Sociology	1,075	1,035	1,044	1,252	1,165	1,180	1,162	1,211	920
Other	1,230	1,268	1,333	1,341	1,344	1,288	1,389	1,772	1,874
Engineering	3,360	3,246	3,440	3,313	3,373	3,442	3,536	3,978	4,293
Aerospace engineering	72	60	58	51	60	78	67	114	119
Chemical engineering	202	200	219	201	208	192	190	219	226
Civil engineering	836	877	898	819	787	758	787	835	914
Electrical engineering	691	614	688	690	642	715	720	874	868
Industrial engineering	445	431	470	402	507	501	519	580	614
Materials engineering	118	113	110	130	105	110	106	115	128
Mechanical engineering	341	321	345	299	311	323	287	364	389
Other	655	630	652	721	753	765	860	877	1,035
Non-S&E	179,072	188,238	194,416	209,075	214,256	222,555	235,792	257,986	265,809
White									
All fields	165,154	170,411	173,498	179,311	179,684	182,078	188,555	201,469	207,943
S&E	23,175	23,213	22,717	22,749	22,792	22,558	23,336	25,546	26,385
Sciences	20,985	21,108	20,496	20,712	20,751	20,462	21,265	23,284	23,993
Agricultural sciences	1,238	1,211	1,251	1,350	1,328	1,453	1,483	1,580	1,542
Biological sciences	2,165	2,275	2,196	2,278	2,381	2,324	2,471	2,709	2,889
Computer sciences	1,015	965	1,027	1,162	1,163	1,255	1,308	1,396	1,254
Earth, atmospheric, and ocean sciences	331	378	391	410	422	439	473	521	523
Atmospheric sciences	19	25	27	20	23	27	33	43	46
Earth sciences	275	309	329	355	365	371	394	429	426
Ocean sciences	37	44	35	35	34	41	46	49	51
Mathematics and statistics	864	860	815	753	652	683	713	775	829
Physical sciences	707	623	694	597	645	628	673	738	763
Astronomy	19	25	25	17	22	16	23	24	44
Chemistry	439	391	431	367	375	366	396	442	432
Physics	150	112	117	117	126	114	134	196	206
Other	99	95	121	96	122	132	120	76	81
Psychology	7,181	7,557	7,049	7,240	7,343	7,019	7,097	7,670	7,920
Social sciences	7,484	7,239	7,073	6,922	6,817	6,661	7,047	7,895	8,273
Anthropology	471	553	523	413	493	438	472	491	520
Area and ethnic studies	535	508	507	490	451	424	387	481	448
Economics	379	332	318	289	314	324	285	324	389
History of science	4	5	6	4	7	10	4	7	6
Linguistics	224	232	217	210	194	188	186	205	206
Political science and public administration	4,144	3,893	3,745	3,702	3,620	3,588	3,963	4,456	4,921
Sociology	772	757	753	851	788	800	794	790	586
Other	955	959	1,004	963	950	889	956	1,141	1,197
Engineering	2,190	2,105	2,221	2,037	2,041	2,096	2,071	2,262	2,392
Aerospace engineering	52	42	46	39	39	59	58	83	92
Chemical engineering	136	123	131	127	113	107	113	125	124
Civil engineering	605	648	672	593	564	545	543	584	614
Electrical engineering	340	307	299	285	276	314	289	313	278

TABLE E-5. Master's degrees awarded to women, by field, citizenship, and race/ethnicity: 1996–2005

Field, citizenship, and race/ethnicity	1996	1997	1998	2000	2001	2002	2003	2004	2005
Industrial engineering	303	280	310	233	284	282	281	323	296
Materials engineering	85	74	75	89	75	74	72	69	81
Mechanical engineering	233	214	235	204	199	217	183	239	267
Other	436	417	453	467	491	498	532	526	640
Non-S&E	141,979	147,198	150,781	156,562	156,892	159,520	165,219	175,923	181,558
Asian/Pacific Islander									
All fields	8,404	9,327	10,298	11,307	11,802	12,292	13,251	14,639	15,713
S&E	2,428	2,575	2,678	3,045	3,033	3,001	3,318	3,735	3,948
Sciences	1,807	2,014	2,050	2,385	2,406	2,425	2,651	2,932	3,030
Agricultural sciences	61	72	40	58	63	84	63	68	76
Biological sciences	286	324	294	304	305	304	371	429	438
Computer sciences	473	530	629	860	860	812	877	939	830
Earth, atmospheric, and ocean sciences	13	15	18	10	12	16	15	20	17
Atmospheric sciences	1	2	6	2	1	4	1	2	2
Earth sciences	10	12	9	8	8	10	12	15	14
Ocean sciences	2	1	3	0	3	2	2	3	1
Mathematics and statistics	101	116	105	94	104	99	107	147	174
Physical sciences	123	125	110	98	94	98	100	84	106
Astronomy	2	0	1	2	2	2	2	4	4
Chemistry	103	106	93	79	77	71	79	57	77
Physics	16	17	11	12	10	17	13	22	20
Other	2	2	5	5	5	8	6	1	5
Psychology	244	279	289	365	372	411	418	446	455
Social sciences	506	553	565	596	596	601	700	799	934
Anthropology	18	15	23	28	29	28	25	33	30
Area and ethnic studies	51	56	54	53	62	56	74	61	80
Economics	53	69	49	67	40	51	71	71	103
History of science	0	0	0	0	0	2	2	3	0
Linguistics	29	27	33	31	34	21	26	27	31
Political science and public administration	275	278	309	304	327	328	374	443	548
Sociology	36	48	44	45	41	60	72	83	54
Other	44	60	53	68	63	55	56	78	88
Engineering	621	561	628	660	627	576	667	803	918
Aerospace engineering	7	7	4	7	8	6	3	11	10
Chemical engineering	28	28	42	34	46	38	32	50	31
Civil engineering	117	123	105	99	84	76	90	97	119
Electrical engineering	224	195	264	277	239	210	263	349	394
Industrial engineering	42	43	39	45	66	56	73	73	118
Materials engineering	18	20	21	21	17	16	21	24	18
Mechanical engineering	59	50	50	42	46	56	47	52	55
Other	126	95	103	135	121	118	138	147	173
Non-S&E	5,976	6,752	7,620	8,262	8,769	9,291	9,933	10,904	11,765
Black									
All fields	16,590	18,504	19,509	22,996	24,658	26,011	28,314	31,789	33,687
S&E	2,520	2,887	2,828	3,294	3,855	3,855	4,247	4,808	4,916
Sciences	2,310	2,662	2,584	3,087	3,609	3,590	3,966	4,524	4,634
Agricultural sciences	39	40	59	47	51	49	65	59	59
Biological sciences	122	167	122	150	221	200	190	270	279
Computer sciences	201	182	162	255	309	294	364	405	288
Earth, atmospheric, and ocean sciences	5	5	5	5	10	6	9	12	7
Atmospheric sciences	0	1	1	0	1	0	0	2	1

TABLE E-5. Master's degrees awarded to women, by field, citizenship, and race/ethnicity: 1996–2005

Field, citizenship, and race/ethnicity	1996	1997	1998	2000	2001	2002	2003	2004	2005
Earth sciences	4	4	4	4	8	6	9	8	5
Ocean sciences	1	0	0	1	1	0	0	2	1
Mathematics and statistics	71	79	77	52	48	64	49	52	60
Physical sciences	52	65	60	54	59	65	52	67	54
Astronomy	1	1	0	0	0	0	1	0	2
Chemistry	35	45	37	40	42	47	40	54	38
Physics	12	13	10	9	13	12	9	10	11
Other	4	6	13	5	4	6	2	3	3
Psychology	647	814	766	1,035	1,297	1,288	1,457	1,566	1,760
Social sciences	1,173	1,310	1,333	1,489	1,614	1,624	1,780	2,093	2,127
Anthropology	16	19	19	24	31	24	27	23	25
Area and ethnic studies	66	68	62	57	61	76	83	83	87
Economics	39	36	39	23	25	28	28	34	35
History of science	0	1	0	0	0	1	0	0	0
Linguistics	4	9	11	3	7	4	5	2	6
Political science and public administration	739	882	903	988	1,128	1,131	1,264	1,447	1,509
Sociology	171	154	142	234	193	188	173	203	150
Other	138	141	157	160	169	172	200	301	315
Engineering	210	225	244	207	246	265	281	284	282
Aerospace engineering	1	0	1	0	2	0	0	1	2
Chemical engineering	16	23	19	15	19	12	20	14	24
Civil engineering	42	40	45	34	41	38	43	29	37
Electrical engineering	48	47	53	40	49	50	45	58	46
Industrial engineering	43	39	48	41	50	64	71	66	66
Materials engineering	5	5	7	6	2	12	7	11	9
Mechanical engineering	17	21	28	19	26	17	19	19	15
Other	38	50	43	52	57	72	76	86	83
Non-S&E	14,070	15,617	16,681	19,702	20,803	22,156	24,067	26,981	28,771
Hispanic									
All fields	9,322	9,894	10,568	12,799	13,925	14,736	16,140	19,066	20,841
S&E	1,426	1,502	1,667	1,836	2,119	2,116	2,269	2,659	2,839
Sciences	1,258	1,326	1,489	1,635	1,898	1,864	2,043	2,349	2,524
Agricultural sciences	40	54	58	74	74	85	87	98	107
Biological sciences	109	104	95	146	168	141	160	177	229
Computer sciences	51	59	77	89	156	105	189	211	127
Earth, atmospheric, and ocean sciences	10	8	8	12	18	19	7	16	26
Atmospheric sciences	0	2	1	0	0	1	1	1	1
Earth sciences	9	5	6	10	15	17	4	15	24
Ocean sciences	1	1	1	2	3	1	2	0	1
Mathematics and statistics	33	17	39	41	32	30	41	49	60
Physical sciences	37	45	54	37	39	52	58	54	56
Astronomy	0	2	0	0	0	0	2	1	1
Chemistry	26	33	42	29	30	33	43	37	39
Physics	5	9	5	6	4	16	7	10	13
Other	6	1	7	2	5	3	6	6	3
Psychology	495	518	578	607	701	716	736	863	951
Social sciences	483	521	580	629	710	716	765	881	968
Anthropology	23	27	34	21	27	39	28	37	39
Area and ethnic studies	46	43	50	62	67	60	83	75	85
Economics	18	20	17	23	23	19	28	26	38
History of science	0	0	0	0	0	0	0	0	0
Linguistics	16	19	16	15	21	14	18	19	23
Political science and public administration	291	336	337	383	426	423	463	535	596

TABLE E-5. Master's degrees awarded to women, by field, citizenship, and race/ethnicity: 1996–2005

Field, citizenship, and race/ethnicity	1996	1997	1998	2000	2001	2002	2003	2004	2005
Sociology	49	42	60	69	84	84	74	83	69
Other	40	34	66	56	62	77	71	106	118
Engineering	168	176	178	201	221	252	226	310	315
Aerospace engineering	0	4	5	2	3	7	2	8	7
Chemical engineering	14	19	18	15	15	18	15	16	19
Civil engineering	46	36	42	59	51	58	51	61	73
Electrical engineering	30	25	28	34	25	46	35	75	53
Industrial engineering	34	32	42	46	68	70	57	78	84
Materials engineering	9	10	5	6	3	4	1	6	14
Mechanical engineering	14	20	15	12	20	11	17	24	25
Other	21	30	23	27	36	38	48	42	40
Non-S&E	7,896	8,392	8,901	10,963	11,806	12,620	13,871	16,407	18,002
American Indian/Alaskan Native									
All fields	1,028	1,147	1,212	1,321	1,446	1,502	1,648	1,841	1,899
S&E	154	174	190	190	255	219	231	310	268
Sciences	149	167	182	174	238	202	217	283	243
Agricultural sciences	8	8	8	5	7	7	13	14	16
Biological sciences	8	14	12	12	14	20	13	24	18
Computer sciences	7	9	3	10	29	13	20	22	17
Earth, atmospheric, and ocean sciences	1	3	5	2	7	3	5	5	6
Atmospheric sciences	0	0	0	0	0	0	0	0	0
Earth sciences	1	3	3	2	5	3	5	5	6
Ocean sciences	0	0	2	0	2	0	0	0	0
Mathematics and statistics	1	6	6	4	3	1	4	3	6
Physical sciences	3	2	6	3	4	6	7	4	5
Astronomy	0	0	0	0	0	0	0	0	1
Chemistry	2	1	5	3	4	6	5	2	3
Physics	1	1	1	0	0	0	1	2	1
Other	0	0	0	0	0	0	1	0	0
Psychology	56	63	76	54	77	68	73	83	87
Social sciences	65	62	66	84	97	84	82	128	88
Anthropology	7	5	8	10	7	4	5	15	8
Area and ethnic studies	14	15	9	8	14	15	22	15	15
Economics	1	4	3	2	2	4	2	3	3
History of science	0	0	0	0	0	1	0	0	0
Linguistics	1	1	2	1	1	2	1	2	5
Political science and public administration	24	20	26	33	44	40	37	69	47
Sociology	15	10	12	23	18	12	10	13	4
Other	3	7	6	7	11	6	5	11	6
Engineering	5	7	8	16	17	17	14	27	25
Aerospace engineering	2	0	0	0	0	2	0	4	0
Chemical engineering	0	0	0	1	1	1	0	0	2
Civil engineering	0	1	2	4	2	6	3	4	5
Electrical engineering	1	0	2	1	3	3	3	3	3
Industrial engineering	0	2	1	3	5	1	1	6	7
Materials engineering	0	0	0	2	1	0	0	0	0
Mechanical engineering	1	0	2	0	2	2	3	5	1
Other	1	4	1	5	3	2	4	5	7
Non-S&E	874	973	1,022	1,131	1,191	1,283	1,417	1,531	1,631
Other or unknown race/ethnicity									
All fields	9,874	10,938	11,000	14,510	17,075	20,319	24,122	29,517	27,762
S&E	1,597	1,632	1,589	2,055	2,280	2,634	2,837	3,277	3,680

TABLE E-5. Master's degrees awarded to women, by field, citizenship, and race/ethnicity: 1996–2005

Field, citizenship, and race/ethnicity	1996	1997	1998	2000	2001	2002	2003	2004	2005
Sciences	1,431	1,460	1,428	1,863	2,059	2,398	2,560	2,985	3,319
Agricultural sciences	61	63	50	67	88	73	93	113	131
Biological sciences	120	126	131	161	159	188	226	220	272
Computer sciences	106	122	122	170	257	392	366	488	337
Earth, atmospheric, and ocean sciences	14	12	16	17	26	14	35	29	35
Atmospheric sciences	0	2	2	0	3	1	3	2	2
Earth sciences	12	8	13	17	19	12	29	24	31
Ocean sciences	2	2	1	0	4	1	3	3	2
Mathematics and statistics	77	64	58	67	49	59	52	77	82
Physical sciences	42	34	48	43	52	64	54	74	74
Astronomy	1	0	1	1	4	3	5	9	3
Chemistry	26	26	38	33	31	44	30	43	50
Physics	11	6	7	7	10	14	17	20	21
Other	4	2	2	2	7	3	2	2	0
Psychology	447	410	435	646	731	823	804	860	974
Social sciences	564	629	568	692	697	785	930	1,124	1,414
Anthropology	38	39	27	34	41	49	58	53	72
Area and ethnic studies	67	41	52	66	101	97	89	97	119
Economics	28	25	28	35	30	32	83	99	108
History of science	0	1	0	0	0	2	2	1	2
Linguistics	10	24	14	13	15	15	19	27	28
Political science and public administration	339	408	367	427	380	465	539	673	878
Sociology	32	24	33	30	41	36	39	39	57
Other	50	67	47	87	89	89	101	135	150
Engineering	166	172	161	192	221	236	277	292	361
Aerospace engineering	10	7	2	3	8	4	4	7	8
Chemical engineering	8	7	9	9	14	16	10	14	26
Civil engineering	26	29	32	30	45	35	57	60	66
Electrical engineering	48	40	42	53	50	92	85	76	94
Industrial engineering	23	35	30	34	34	28	36	34	43
Materials engineering	1	4	2	6	7	4	5	5	6
Mechanical engineering	17	16	15	22	18	20	18	25	26
Other	33	34	29	35	45	37	62	71	92
Non-S&E	8,277	9,306	9,411	12,455	14,795	17,685	21,285	26,240	24,082
Temporary resident									
All fields	18,200	19,276	20,725	22,782	25,049	26,097	28,815	29,881	29,973
S&E	6,153	6,279	6,914	8,301	9,059	9,089	10,473	11,337	11,015
Sciences	4,761	4,830	5,191	6,274	6,804	6,957	7,825	8,180	7,701
Agricultural sciences	260	247	243	218	226	246	255	324	289
Biological sciences	531	508	504	459	507	492	587	658	745
Computer sciences	997	1,112	1,394	2,322	2,734	2,628	2,967	2,734	2,225
Earth, atmospheric, and ocean sciences	62	66	51	57	69	75	68	98	98
Atmospheric sciences	15	10	15	15	12	13	17	17	18
Earth sciences	36	52	33	38	52	54	48	70	71
Ocean sciences	11	4	3	4	5	8	3	11	9
Mathematics and statistics	359	347	370	487	501	535	711	847	800
Physical sciences	486	439	468	383	408	413	380	492	471
Astronomy	4	4	3	5	8	6	9	15	7
Chemistry	367	325	352	272	266	285	236	315	300
Physics	106	97	104	93	123	113	132	153	155
Other	9	13	9	13	11	9	3	9	9
Psychology	303	277	347	346	337	347	515	462	485



TABLE E-5. Master's degrees awarded to women, by field, citizenship, and race/ethnicity: 1996–2005

Field, citizenship, and race/ethnicity	1996	1997	1998	2000	2001	2002	2003	2004	2005
Social sciences	1,763	1,834	1,814	2,002	2,022	2,221	2,342	2,565	2,588
Anthropology	58	54	52	57	61	60	40	69	43
Area and ethnic studies	77	114	108	143	140	151	150	149	154
Economics	484	467	490	513	539	592	664	695	715
History of science	0	0	1	2	3	1	2	3	4
Linguistics	109	106	96	134	108	116	125	128	134
Political science and public administration	842	874	879	883	916	1,003	1,083	1,205	1,257
Sociology	105	107	74	135	93	135	134	147	113
Other	88	112	114	135	162	163	144	169	168
Engineering	1,392	1,449	1,723	2,027	2,255	2,132	2,648	3,157	3,314
Aerospace engineering	20	15	23	25	30	47	40	35	45
Chemical engineering	104	132	125	143	144	143	153	198	199
Civil engineering	228	222	256	256	274	305	361	376	408
Electrical engineering	505	530	688	868	1,031	846	1,182	1,511	1,602
Industrial engineering	179	173	206	246	282	294	325	326	305
Materials engineering	57	61	60	71	68	61	77	84	76
Mechanical engineering	113	98	116	156	137	145	172	199	209
Other	186	218	249	262	289	291	338	428	470
Non-S&E	12,047	12,997	13,811	14,481	15,990	17,008	18,342	18,544	18,958

NOTES: Race/ethnicity breakouts are for U.S. citizens and permanent residents only. Temporary resident includes all racial/ethnic groups. Data are not available for 1999.

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, 1996–2005.

TABLE E-6. Master's degrees awarded to men, by field, citizenship, and race/ethnicity: 1996–2005

Field, citizenship, and race/ethnicity	1996	1997	1998	2000	2001	2002	2003	2004	2005
All fields	180,360	181,457	185,061	191,234	193,006	198,097	210,758	227,335	230,057
S&E	57,860	55,223	55,335	54,213	55,593	55,701	61,199	66,798	66,974
Sciences	34,851	34,044	34,360	33,817	34,698	35,009	37,679	40,061	40,482
Agricultural sciences	2,314	2,232	2,153	2,039	1,915	2,022	1,896	1,965	1,951
Biological sciences	2,945	3,076	3,014	2,815	2,732	2,665	2,859	3,160	3,229
Computer sciences	7,763	7,510	8,338	9,661	10,833	11,083	13,157	13,658	12,742
Earth, atmospheric, and ocean sciences	1,051	948	932	832	799	834	879	869	973
Atmospheric sciences	164	135	147	119	100	95	112	112	185
Earth sciences	799	752	708	670	649	678	702	682	737
Ocean sciences	88	61	77	43	50	61	65	75	51
Mathematics and statistics	2,236	2,110	2,055	1,797	1,891	1,937	2,029	2,347	2,587
Physical sciences	2,914	2,808	2,529	2,297	2,436	2,298	2,378	2,517	2,587
Astronomy	88	61	71	77	57	85	81	97	97
Chemistry	1,275	1,341	1,175	1,085	1,184	1,014	1,001	1,106	973
Physics	1,385	1,242	1,146	1,000	1,090	1,067	1,140	1,224	1,419
Other	166	164	137	135	105	132	156	90	98
Psychology	3,670	3,715	3,606	3,415	3,477	3,369	3,369	3,348	3,444
Social sciences	11,958	11,645	11,733	10,961	10,615	10,801	11,112	12,197	12,969
Anthropology	420	399	412	363	403	375	388	377	370
Area and ethnic studies	801	742	708	650	619	618	626	656	693
Economics	1,962	1,851	1,899	1,563	1,519	1,601	1,790	1,949	2,113
History of science	6	11	15	18	16	18	15	11	17
Linguistics	208	224	179	146	172	160	145	164	178
Political science and public administration	6,716	6,677	6,585	6,315	6,088	6,205	6,392	6,938	7,598
Sociology	642	610	656	649	643	642	633	673	485
Other	1,203	1,131	1,279	1,257	1,155	1,182	1,123	1,429	1,515
Engineering	23,009	21,179	20,975	20,396	20,895	20,692	23,520	26,737	26,492
Aerospace engineering	682	550	503	484	521	557	628	721	782
Chemical engineering	1,110	1,013	1,028	1,008	1,016	932	1,022	1,089	1,081
Civil engineering	3,938	3,781	3,582	3,065	2,952	2,884	3,042	3,234	3,309
Electrical engineering	6,960	6,197	6,595	6,781	6,957	6,718	8,173	9,788	9,167
Industrial engineering	2,403	2,331	2,433	2,400	2,612	2,593	3,005	3,338	3,018
Materials engineering	599	550	528	558	536	459	537	601	586
Mechanical engineering	3,555	3,337	3,090	2,923	3,024	3,051	3,380	3,992	4,163
Other	3,762	3,420	3,216	3,177	3,277	3,498	3,733	3,974	4,386
Non-S&E	122,500	126,234	129,726	137,021	137,413	142,396	149,559	160,537	163,083
U.S. citizen/permanent resident									
All fields	150,310	151,256	153,581	158,445	156,865	160,883	168,197	182,814	187,625
S&E	42,335	40,237	39,626	37,764	37,230	37,240	39,304	42,785	44,527
Sciences	26,930	26,245	26,089	25,164	25,081	25,219	26,510	28,511	29,601
Agricultural sciences	1,916	1,821	1,798	1,741	1,670	1,789	1,636	1,643	1,644
Biological sciences	2,485	2,661	2,618	2,524	2,366	2,352	2,445	2,703	2,761
Computer sciences	4,859	4,649	4,937	5,420	5,822	6,024	7,035	7,572	7,487
Earth, atmospheric, and ocean sciences	864	777	775	694	696	710	741	709	817
Atmospheric sciences	143	111	115	96	88	80	90	85	154
Earth sciences	651	618	608	566	567	582	593	562	626
Ocean sciences	70	48	52	32	41	48	58	62	37
Mathematics and statistics	1,565	1,464	1,399	1,173	1,162	1,178	1,227	1,409	1,610
Physical sciences	1,915	1,840	1,708	1,540	1,605	1,523	1,569	1,641	1,677
Astronomy	71	46	55	60	37	56	61	64	67
Chemistry	837	899	800	758	829	693	704	749	650
Physics	887	780	731	610	645	656	670	750	876
Other	120	115	122	112	94	118	134	78	84

TABLE E-6. Master's degrees awarded to men, by field, citizenship, and race/ethnicity: 1996–2005

Field, citizenship, and race/ethnicity	1996	1997	1998	2000	2001	2002	2003	2004	2005
Psychology	3,549	3,590	3,493	3,294	3,350	3,237	3,219	3,207	3,299
Social sciences	9,777	9,443	9,361	8,778	8,410	8,406	8,638	9,627	10,306
Anthropology	383	362	378	334	376	336	345	341	340
Area and ethnic studies	710	666	606	564	531	541	528	552	611
Economics	1,102	970	986	770	738	733	840	936	1,098
History of science	6	9	10	18	14	17	10	11	15
Linguistics	146	161	127	107	122	107	98	116	123
Political science and public administration	5,768	5,700	5,533	5,274	5,021	5,062	5,253	5,778	6,361
Sociology	572	545	578	593	579	586	582	621	429
Other	1,090	1,030	1,143	1,118	1,029	1,024	982	1,272	1,329
Engineering	15,405	13,992	13,537	12,600	12,149	12,021	12,794	14,274	14,926
Aerospace engineering	504	381	316	288	300	317	380	465	537
Chemical engineering	618	548	561	520	518	470	467	485	513
Civil engineering	2,828	2,787	2,649	2,229	1,993	1,835	1,899	1,947	2,166
Electrical engineering	4,303	3,651	3,764	3,541	3,317	3,321	3,683	4,402	4,361
Industrial engineering	1,599	1,441	1,534	1,470	1,485	1,457	1,565	1,688	1,564
Materials engineering	383	359	337	353	304	276	275	302	323
Mechanical engineering	2,465	2,281	2,078	1,913	1,911	1,891	1,952	2,266	2,458
Other	2,705	2,544	2,298	2,286	2,321	2,454	2,573	2,719	3,004
Non-S&E	107,975	111,019	113,955	120,681	119,635	123,643	128,893	140,029	143,098
White									
All fields	117,559	117,942	118,464	117,915	113,706	114,900	117,997	125,463	128,775
S&E	32,174	30,556	29,611	27,101	26,000	25,852	26,600	28,793	29,697
Sciences	20,788	20,169	19,747	18,118	17,575	17,544	17,945	19,298	19,822
Agricultural sciences	1,680	1,598	1,576	1,514	1,454	1,498	1,415	1,373	1,388
Biological sciences	1,966	2,120	2,016	1,901	1,743	1,761	1,819	1,909	1,973
Computer sciences	3,338	3,140	3,250	3,273	3,378	3,483	3,817	4,290	4,302
Earth, atmospheric, and ocean sciences	743	706	715	626	621	626	652	623	711
Atmospheric sciences	129	103	106	91	76	71	84	77	139
Earth sciences	578	564	560	506	511	519	520	492	537
Ocean sciences	36	39	49	29	34	36	48	54	35
Mathematics and statistics	1,219	1,145	1,080	902	863	872	910	1,020	1,153
Physical sciences	1,543	1,465	1,329	1,177	1,229	1,154	1,175	1,285	1,250
Astronomy	60	42	48	48	25	43	44	52	54
Chemistry	660	677	597	562	617	510	509	570	454
Physics	716	643	579	468	501	499	508	594	667
Other	107	103	105	99	86	102	114	69	75
Psychology	2,890	2,887	2,771	2,406	2,455	2,296	2,259	2,231	2,221
Social sciences	7,409	7,108	7,010	6,319	5,832	5,854	5,898	6,567	6,824
Anthropology	318	309	316	273	307	267	271	279	259
Area and ethnic studies	464	484	451	408	343	345	333	357	361
Economics	826	715	749	550	526	503	543	603	708
History of science	5	7	10	16	11	13	9	10	14
Linguistics	116	132	102	85	90	82	72	85	94
Political science and public administration	4,407	4,292	4,075	3,725	3,385	3,463	3,540	3,897	4,156
Sociology	388	373	412	403	390	383	383	412	272
Other	885	796	895	859	780	798	747	924	960
Engineering	11,386	10,387	9,864	8,983	8,425	8,308	8,655	9,495	9,875
Aerospace engineering	375	303	251	245	238	251	289	361	408
Chemical engineering	469	418	406	374	374	328	318	330	328
Civil engineering	2,244	2,194	2,105	1,744	1,566	1,386	1,452	1,505	1,631
Electrical engineering	2,825	2,430	2,411	2,189	1,968	1,994	2,144	2,499	2,528
Industrial engineering	1,176	1,080	1,096	1,005	1,006	979	1,021	1,038	930
Materials engineering	311	276	281	284	220	213	210	235	233
Mechanical engineering	1,886	1,753	1,580	1,426	1,359	1,367	1,435	1,601	1,778

TABLE E-6. Master's degrees awarded to men, by field, citizenship, and race/ethnicity: 1996–2005

Field, citizenship, and race/ethnicity	1996	1997	1998	2000	2001	2002	2003	2004	2005
Other	2,100	1,933	1,734	1,716	1,694	1,790	1,786	1,926	2,039
Non-S&E	85,385	87,386	88,853	90,814	87,706	89,048	91,397	96,670	99,078
Asian/Pacific Islander									
All fields	8,877	8,585	9,638	10,105	10,144	10,318	10,933	12,351	12,946
S&E	3,900	3,605	3,876	3,945	4,012	3,813	4,271	4,832	4,875
Sciences	1,900	1,847	2,053	2,226	2,225	2,188	2,494	2,633	2,699
Agricultural sciences	49	31	43	36	34	42	36	43	35
Biological sciences	242	251	297	291	235	233	275	334	355
Computer sciences	810	792	950	1,168	1,193	1,192	1,407	1,391	1,363
Earth, atmospheric, and ocean sciences	24	15	12	12	16	21	13	19	14
Atmospheric sciences	5	2	5	2	4	3	3	3	2
Earth sciences	18	7	6	9	9	15	6	13	12
Ocean sciences	1	6	1	1	3	3	4	3	0
Mathematics and statistics	119	122	111	86	101	115	114	128	150
Physical sciences	144	153	138	142	126	115	131	112	138
Astronomy	5	2	3	3	3	2	5	2	3
Chemistry	77	91	79	93	76	54	78	71	77
Physics	61	56	49	41	46	49	44	38	55
Other	1	4	7	5	1	10	4	1	3
Psychology	78	85	90	107	126	115	107	134	127
Social sciences	434	398	412	384	394	355	411	472	517
Anthropology	9	10	13	11	10	6	17	10	14
Area and ethnic studies	35	35	29	25	39	36	27	32	31
Economics	91	86	78	65	73	68	85	86	82
History of science	0	0	0	0	0	0	0	0	1
Linguistics	12	10	8	11	9	5	6	10	10
Political science and public administration	225	200	225	212	207	184	226	272	306
Sociology	29	21	28	21	29	26	23	23	24
Other	33	36	31	39	27	30	27	39	49
Engineering	2,000	1,758	1,823	1,719	1,787	1,625	1,777	2,199	2,176
Aerospace engineering	41	35	31	19	29	23	39	40	45
Chemical engineering	70	59	81	80	74	58	64	85	75
Civil engineering	264	263	224	184	136	128	151	157	179
Electrical engineering	872	716	818	784	787	709	786	1,072	985
Industrial engineering	154	110	141	147	146	134	202	211	214
Materials engineering	33	42	29	33	38	27	32	29	46
Mechanical engineering	269	243	228	223	312	259	215	295	271
Other	297	290	271	249	265	287	288	310	361
Non-S&E	4,977	4,980	5,762	6,160	6,132	6,505	6,662	7,519	8,071
Black									
All fields	7,998	8,444	9,107	10,309	10,401	10,513	11,268	12,586	13,214
S&E	1,900	1,983	2,066	2,198	2,262	2,278	2,553	2,651	2,691
Sciences	1,436	1,534	1,596	1,747	1,808	1,805	2,007	2,082	2,099
Agricultural sciences	49	56	36	37	45	39	38	43	26
Biological sciences	77	69	68	73	92	88	108	115	96
Computer sciences	234	229	262	325	345	365	517	497	452
Earth, atmospheric, and ocean sciences	6	7	10	2	11	12	9	10	12
Atmospheric sciences	0	1	1	0	3	2	2	1	4
Earth sciences	5	6	9	2	7	9	4	8	8
Ocean sciences	1	0	0	0	1	1	3	1	0
Mathematics and statistics	74	75	65	46	65	49	49	63	75
Physical sciences	53	67	71	63	71	56	61	53	47

TABLE E-6. Master's degrees awarded to men, by field, citizenship, and race/ethnicity: 1996–2005

Field, citizenship, and race/ethnicity	1996	1997	1998	2000	2001	2002	2003	2004	2005
Astronomy	0	1	0	0	0	2	0	1	0
Chemistry	30	39	42	25	40	27	36	33	17
Physics	20	26	24	35	28	25	23	17	28
Other	3	1	5	3	3	2	2	2	2
Psychology	223	245	254	311	301	343	344	357	375
Social sciences	720	786	830	890	878	853	881	944	1,016
Anthropology	12	10	7	9	6	8	6	8	5
Area and ethnic studies	32	41	42	34	25	32	39	44	48
Economics	57	60	55	48	41	48	39	36	61
History of science	0	0	0	0	1	1	0	0	0
Linguistics	3	3	1	1	7	1	2	1	3
Political science and public administration	459	504	550	597	626	586	597	610	726
Sociology	90	93	78	110	101	97	101	98	55
Other	67	75	97	91	71	80	97	147	118
Engineering	464	449	470	451	454	473	546	569	592
Aerospace engineering	9	9	6	7	8	14	8	10	17
Chemical engineering	17	12	24	19	15	19	23	17	32
Civil engineering	74	69	82	59	61	63	53	47	63
Electrical engineering	144	121	145	143	139	139	181	180	183
Industrial engineering	69	50	63	49	69	78	87	104	86
Materials engineering	4	13	6	9	7	7	7	10	10
Mechanical engineering	68	89	68	72	63	54	60	66	67
Other	79	86	76	93	92	99	127	135	134
Non-S&E	6,098	6,461	7,041	8,111	8,139	8,235	8,715	9,935	10,523
Hispanic									
All fields	6,072	6,466	6,848	8,004	8,238	8,429	9,117	10,432	10,974
S&E	1,664	1,718	1,795	1,910	1,958	1,973	2,112	2,419	2,526
Sciences	1,084	1,129	1,166	1,259	1,341	1,370	1,462	1,599	1,689
Agricultural sciences	55	51	58	59	49	90	45	73	78
Biological sciences	85	110	97	122	142	126	107	153	130
Computer sciences	137	152	142	199	284	228	366	391	335
Earth, atmospheric, and ocean sciences	17	15	12	18	10	16	21	20	21
Atmospheric sciences	1	1	1	2	0	0	1	1	2
Earth sciences	16	13	11	16	10	14	20	17	19
Ocean sciences	0	1	0	0	0	2	0	2	0
Mathematics and statistics	55	46	46	59	40	52	67	64	70
Physical sciences	63	71	75	59	80	84	86	73	88
Astronomy	4	0	0	2	1	2	0	2	1
Chemistry	20	39	42	27	44	39	47	33	45
Physics	34	27	30	28	33	40	34	34	40
Other	5	5	3	2	2	3	5	4	2
Psychology	172	200	209	230	236	237	221	222	268
Social sciences	500	484	527	513	500	537	549	603	699
Anthropology	12	10	14	16	18	20	20	21	23
Area and ethnic studies	56	48	46	45	46	61	56	42	66
Economics	46	51	46	44	30	38	51	54	73
History of science	0	1	0	0	1	0	1	0	0
Linguistics	7	5	11	3	6	5	5	7	3
Political science and public administration	302	298	314	318	310	320	337	370	427
Sociology	38	27	37	41	32	56	43	56	42
Other	39	44	59	46	57	37	36	53	65
Engineering	580	589	629	651	617	603	650	820	837
Aerospace engineering	10	16	11	11	8	12	12	13	32
Chemical engineering	29	32	28	24	25	27	24	24	22
Civil engineering	101	123	116	121	117	129	101	102	135

TABLE E-6. Master's degrees awarded to men, by field, citizenship, and race/ethnicity: 1996–2005

Field, citizenship, and race/ethnicity	1996	1997	1998	2000	2001	2002	2003	2004	2005
Electrical engineering	178	162	162	177	147	134	207	265	223
Industrial engineering	96	76	108	126	124	134	106	151	155
Materials engineering	12	12	10	9	19	12	5	10	12
Mechanical engineering	84	93	102	87	73	76	100	133	128
Other	70	75	92	96	104	79	95	122	130
Non-S&E	4,408	4,748	5,053	6,094	6,280	6,456	7,005	8,013	8,448
American Indian/Alaskan Native									
All fields	665	697	739	778	828	880	898	985	993
S&E	167	196	182	193	217	201	221	225	218
Sciences	116	150	136	145	174	161	165	167	161
Agricultural sciences	6	10	15	18	11	18	11	9	11
Biological sciences	9	11	9	14	15	14	18	9	11
Computer sciences	19	16	12	22	39	19	22	35	18
Earth, atmospheric, and ocean sciences	4	2	5	7	4	1	4	2	5
Atmospheric sciences	0	0	0	0	0	0	0	0	1
Earth sciences	3	2	5	7	3	1	4	2	4
Ocean sciences	1	0	0	0	1	0	0	0	0
Mathematics and statistics	4	8	3	5	6	7	4	4	3
Physical sciences	2	9	8	6	5	9	5	4	6
Astronomy	0	0	0	0	0	0	1	0	0
Chemistry	1	7	7	2	3	5	0	1	3
Physics	1	1	1	3	2	4	4	3	2
Other	0	1	0	1	0	0	0	0	1
Psychology	22	34	32	15	29	28	31	25	28
Social sciences	50	60	52	58	65	65	70	79	79
Anthropology	5	5	6	4	10	8	6	4	6
Area and ethnic studies	8	6	6	8	6	5	11	12	12
Economics	2	4	2	1	5	6	4	3	7
History of science	0	0	0	0	1	0	0	0	0
Linguistics	1	1	0	0	0	2	0	0	1
Political science and public administration	24	35	23	29	26	34	40	49	43
Sociology	5	6	7	7	10	5	7	4	3
Other	5	3	8	9	7	5	2	7	7
Engineering	51	46	46	48	43	40	56	58	57
Aerospace engineering	3	2	0	0	2	2	2	2	2
Chemical engineering	4	5	1	2	3	1	2	0	2
Civil engineering	9	9	12	10	8	5	10	12	8
Electrical engineering	14	8	7	13	7	10	15	7	17
Industrial engineering	3	4	6	5	10	7	7	13	11
Materials engineering	2	0	0	2	0	2	1	1	1
Mechanical engineering	10	10	11	7	5	4	6	16	5
Other	6	8	9	9	8	9	13	7	11
Non-S&E	498	501	557	585	611	679	677	760	775
Other or unknown race/ethnicity									
All fields	9,139	9,122	8,785	11,334	13,548	15,843	17,984	20,997	20,723
S&E	2,530	2,179	2,096	2,417	2,781	3,123	3,547	3,865	4,520
Sciences	1,606	1,416	1,391	1,669	1,958	2,151	2,437	2,732	3,131
Agricultural sciences	77	75	70	77	77	102	91	102	106
Biological sciences	106	100	131	123	139	130	118	183	196
Computer sciences	321	320	321	433	583	737	906	968	1,017
Earth, atmospheric, and ocean sciences	70	32	21	29	34	34	42	35	54
Atmospheric sciences	8	4	2	1	5	4	0	3	6
Earth sciences	31	26	17	26	27	24	39	30	46

TABLE E-6. Master's degrees awarded to men, by field, citizenship, and race/ethnicity: 1996–2005

Field, citizenship, and race/ethnicity	1996	1997	1998	2000	2001	2002	2003	2004	2005
Ocean sciences	31	2	2	2	2	6	3	2	2
Mathematics and statistics	94	68	94	75	87	83	83	130	159
Physical sciences	110	75	87	93	94	105	111	114	148
Astronomy	2	1	4	7	8	7	11	7	9
Chemistry	49	46	33	49	49	58	34	41	54
Physics	55	27	48	35	35	39	57	64	84
Other	4	1	2	2	2	1	9	2	1
Psychology	164	139	137	225	203	218	257	238	280
Social sciences	664	607	530	614	741	742	829	962	1,171
Anthropology	27	18	22	21	25	27	25	19	33
Area and ethnic studies	115	52	32	44	72	62	62	65	93
Economics	80	54	56	62	63	70	118	154	167
History of science	1	1	0	2	0	3	0	1	0
Linguistics	7	10	5	7	10	12	13	13	12
Political science and public administration	351	371	346	393	467	475	513	580	703
Sociology	22	25	16	11	17	19	25	28	33
Other	61	76	53	74	87	74	73	102	130
Engineering	924	763	705	748	823	972	1,110	1,133	1,389
Aerospace engineering	66	16	17	6	15	15	30	39	33
Chemical engineering	29	22	21	21	27	37	36	29	54
Civil engineering	136	129	110	111	105	124	132	124	150
Electrical engineering	270	214	221	235	269	335	350	379	425
Industrial engineering	101	121	120	138	130	125	142	171	168
Materials engineering	21	16	11	16	20	15	20	17	21
Mechanical engineering	148	93	89	98	99	131	136	155	209
Other	153	152	116	123	158	190	264	219	329
Non-S&E	6,609	6,943	6,689	8,917	10,767	12,720	14,437	17,132	16,203
Temporary resident									
All fields	30,050	30,201	31,480	32,789	36,141	37,214	42,561	44,521	42,432
S&E	15,525	14,986	15,709	16,449	18,363	18,461	21,895	24,013	22,447
Sciences	7,921	7,799	8,271	8,653	9,617	9,790	11,169	11,550	10,881
Agricultural sciences	398	411	355	298	245	233	260	322	307
Biological sciences	460	415	396	291	366	313	414	457	468
Computer sciences	2,904	2,861	3,401	4,241	5,011	5,059	6,122	6,086	5,255
Earth, atmospheric, and ocean sciences	187	171	157	138	103	124	138	160	156
Atmospheric sciences	21	24	32	23	12	15	22	27	31
Earth sciences	148	134	100	104	82	96	109	120	111
Ocean sciences	18	13	25	11	9	13	7	13	14
Mathematics and statistics	671	646	656	624	729	759	802	938	977
Physical sciences	999	968	821	757	831	775	809	876	910
Astronomy	17	15	16	17	20	29	20	33	30
Chemistry	438	442	375	327	355	321	297	357	323
Physics	498	462	415	390	445	411	470	474	543
Other	46	49	15	23	11	14	22	12	14
Psychology	121	125	113	121	127	132	150	141	145
Social sciences	2,181	2,202	2,372	2,183	2,205	2,395	2,474	2,570	2,663
Anthropology	37	37	34	29	27	39	43	36	30
Area and ethnic studies	91	76	102	86	88	77	98	104	82
Economics	860	881	913	793	781	868	950	1,013	1,015
History of science	0	2	5	0	2	1	5	0	2
Linguistics	62	63	52	39	50	53	47	48	55
Political science and public administration	948	977	1,052	1,041	1,067	1,143	1,139	1,160	1,237
Sociology	70	65	78	56	64	56	51	52	56
Other	113	101	136	139	126	158	141	157	186

TABLE E-6. Master's degrees awarded to men, by field, citizenship, and race/ethnicity: 1996–2005

Field, citizenship, and race/ethnicity	1996	1997	1998	2000	2001	2002	2003	2004	2005
Engineering	7,604	7,187	7,438	7,796	8,746	8,671	10,726	12,463	11,566
Aerospace engineering	178	169	187	196	221	240	248	256	245
Chemical engineering	492	465	467	488	498	462	555	604	568
Civil engineering	1,110	994	933	836	959	1,049	1,143	1,287	1,143
Electrical engineering	2,657	2,546	2,831	3,240	3,640	3,397	4,490	5,386	4,806
Industrial engineering	804	890	899	930	1,127	1,136	1,440	1,650	1,454
Materials engineering	216	191	191	205	232	183	262	299	263
Mechanical engineering	1,090	1,056	1,012	1,010	1,113	1,160	1,428	1,726	1,705
Other	1,057	876	918	891	956	1,044	1,160	1,255	1,382
Non-S&E	14,525	15,215	15,771	16,340	17,778	18,753	20,666	20,508	19,985

NOTES: Race/ethnicity breakouts are for U.S. citizens and permanent residents only. Temporary resident includes all racial/ethnic groups. Data are not available for 1999.

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, 1996–2005.



TABLE F-1. S&E doctoral degrees awarded, by field: 1998–2005

Field	1998	1999	2000	2001	2002	2003	2004	2005
All S&E	27,273	25,931	25,966	25,496	24,582	25,274	26,272	27,974
Science	21,352	20,601	20,643	19,988	19,505	19,995	20,497	21,570
Agricultural sciences	1,109	1,065	1,037	975	1,009	1,060	1,045	1,038
Biological sciences	5,846	5,581	5,853	5,693	5,690	5,693	5,939	6,368
Computer sciences	927	856	860	825	807	866	948	1,136
Earth, atmospheric, and ocean sciences	765	723	694	660	689	683	686	713
Atmospheric sciences	125	124	143	116	117	139	126	144
Earth sciences	504	452	387	393	426	374	420	420
Ocean sciences	136	147	164	151	146	170	140	149
Mathematics and statistics	1,177	1,083	1,050	1,007	919	993	1,076	1,203
Physical sciences	3,800	3,562	3,378	3,364	3,185	3,289	3,338	3,647
Astronomy	206	159	185	186	141	167	165	186
Chemistry	2,216	2,132	1,989	1,981	1,921	2,041	1,987	2,127
Physics	1,378	1,271	1,204	1,197	1,123	1,081	1,186	1,334
Psychology	3,673	3,668	3,616	3,385	3,197	3,273	3,327	3,327
Social sciences	4,055	4,063	4,155	4,079	4,009	4,138	4,138	4,138
Anthropology	459	488	482	450	521	505	565	499
Area and ethnic studies	114	109	127	146	122	106	133	110
Economics	1,157	1,075	1,086	1,081	1,026	1,050	1,069	1,184
History of science	44	50	42	40	47	46	48	43
Linguistics	220	251	230	230	193	224	254	211
Political science and public administration	958	1,016	986	984	938	1,024	946	990
Sociology	579	572	637	577	566	612	599	555
Other	524	502	565	571	596	571	524	546
Engineering	5,921	5,330	5,323	5,508	5,077	5,279	5,775	6,404
Aerospace engineering	241	206	214	203	209	200	201	219
Chemical engineering	776	674	726	730	705	648	725	875
Civil engineering	650	584	556	595	627	673	673	757
Electrical engineering	1,595	1,478	1,543	1,577	1,393	1,465	1,650	1,852
Industrial engineering	229	211	176	206	230	214	217	222
Materials engineering	565	469	451	497	396	474	511	540
Mechanical engineering	1,022	855	864	953	827	814	852	978
Other	843	853	793	747	690	791	946	961

NOTE: Totals include those with unknown gender and will not equal the sum of female and male in tables F-2 and F-3.

SOURCE: National Science Foundation, Division of Science Resources Statistics, Survey of Earned Doctorates, 1998–2005.

TABLE F-2. S&E doctoral degrees awarded to women, by field: 1998–2005

Field	1998	1999	2000	2001	2002	2003	2004	2005	1998	2005
	Number								Percent	
All S&E	9,348	9,081	9,393	9,286	9,163	9,517	9,856	10,533	34.3	37.7
Science	8,575	8,293	8,555	8,356	8,272	8,606	8,835	9,359	40.2	43.4
Agricultural sciences	328	311	317	339	319	374	399	376	29.6	36.2
Biological sciences	2,536	2,394	2,622	2,550	2,545	2,604	2,756	3,105	43.4	48.8
Computer sciences	159	157	141	155	166	176	199	225	17.2	19.8
Earth, atmospheric, and ocean sciences	198	185	196	198	211	213	238	243	25.9	34.1
Atmospheric sciences	30	22	33	28	31	39	46	51	24.0	35.4
Earth sciences	127	112	108	115	121	104	132	127	25.2	30.2
Ocean sciences	41	51	55	55	59	70	60	65	30.1	43.6
Mathematics and statistics	297	277	259	276	266	264	305	326	25.2	27.1
Physical sciences	917	825	827	828	847	891	865	972	24.1	26.7
Astronomy	45	33	40	41	27	40	46	49	21.8	26.3
Chemistry	695	632	624	627	644	655	636	723	31.4	34.0
Physics	177	160	163	160	176	196	183	200	12.8	15.0
Psychology	2,456	2,449	2,410	2,260	2,132	2,231	2,246	2,264	66.9	68.0
Social sciences	1,684	1,695	1,783	1,750	1,786	1,853	1,827	1,848	41.5	44.7
Anthropology	262	274	276	263	305	308	311	285	57.1	57.1
Area and ethnic studies	63	59	67	97	70	73	78	59	55.3	53.6
Economics	312	291	293	306	281	303	315	355	27.0	30.0
History of science	20	18	17	8	12	23	12	16	45.5	37.2
Linguistics	123	148	135	136	115	133	150	137	55.9	64.9
Political science and public administration	364	356	364	330	395	398	346	409	38.0	41.3
Sociology	317	342	376	337	345	361	353	344	54.7	62.0
Other	223	207	255	273	263	254	262	243	42.6	44.5
Engineering	773	788	838	930	891	911	1,021	1,174	13.1	18.3
Aerospace engineering	15	17	21	28	24	27	24	29	6.2	13.2
Chemical engineering	140	123	152	180	176	154	173	210	18.0	24.0
Civil engineering	100	89	88	111	121	126	134	176	15.4	23.2
Electrical engineering	156	155	195	204	163	181	227	249	9.8	13.4
Industrial engineering	40	42	35	45	67	55	43	41	17.5	18.5
Materials engineering	84	88	83	105	80	101	91	120	14.9	22.2
Mechanical engineering	93	96	96	91	96	88	95	120	9.1	12.3
Other	145	178	168	166	164	179	234	229	17.2	23.8

SOURCE: National Science Foundation, Division of Science Resources Statistics, Survey of Earned Doctorates, 1998–2005.

TABLE F-3. S&E doctoral degrees awarded to men, by field: 1998–2005

Field	1998	1999	2000	2001	2002	2003	2004	2005
All S&E	17,809	16,734	16,519	16,166	15,369	15,757	16,415	17,405
Science	12,699	12,230	12,060	11,598	11,197	11,389	11,661	12,190
Agricultural sciences	780	749	718	629	683	686	646	659
Biological sciences	3,295	3,170	3,225	3,134	3,143	3,089	3,183	3,257
Computer sciences	765	692	717	668	638	690	749	909
Earth, atmospheric, and ocean sciences	563	535	495	461	478	470	448	470
Atmospheric sciences	93	101	108	87	86	100	80	93
Earth sciences	376	338	278	278	305	270	288	293
Ocean sciences	94	96	109	96	87	100	80	84
Mathematics and statistics	873	803	790	731	650	729	771	875
Physical sciences	2,865	2,722	2,546	2,531	2,334	2,398	2,472	2,672
Astronomy	161	126	145	145	114	127	119	137
Chemistry	1,509	1,493	1,361	1,350	1,276	1,386	1,350	1,403
Physics	1,195	1,103	1,040	1,036	944	885	1003	1,132
Psychology	1,205	1,209	1,203	1,121	1,060	1,042	1,081	1,062
Social sciences	2,353	2,350	2,366	2,323	2,211	2,285	2,311	2,286
Anthropology	194	214	206	187	216	197	254	213
Area and ethnic studies	51	48	60	49	52	33	55	51
Economics	841	781	790	773	738	747	754	827
History of science	24	32	25	32	35	23	36	27
Linguistics	96	99	95	94	78	91	104	73
Political science and public administration	593	655	620	650	540	626	600	581
Sociology	260	228	260	240	221	251	246	211
Other	294	293	310	298	331	317	262	303
Engineering	5,110	4,504	4,459	4,568	4,172	4,368	4,754	5,215
Aerospace engineering	225	188	191	174	185	173	177	190
Chemical engineering	630	550	571	547	527	494	552	662
Civil engineering	544	495	466	483	505	547	539	580
Electrical engineering	1,428	1,310	1,338	1,372	1,223	1,284	1,423	1,598
Industrial engineering	188	169	140	160	162	159	174	178
Materials engineering	477	376	367	392	315	373	420	419
Mechanical engineering	923	751	767	860	729	726	757	858
Other	695	665	619	580	526	612	712	730

SOURCE: National Science Foundation, Division of Science Resources Statistics, Survey of Earned Doctorates, 1998–2005.

TABLE F-4. Top baccalaureate institutions of S&E doctorate recipients, by sex: 2001–2005

Academic institution	Doctorates	Academic institution	Doctorates
Female, all institutions	48,355	Male, all institutions	81,112
Foreign	11,695	Foreign	30,387
Unknown	4,180	Unknown	7,556
Top 50 U.S.	11,518	Top 50 U.S.	16,870
University of California-Berkeley	556	University of California-Berkeley	913
Cornell University all campuses	473	Cornell University all campuses	668
University of Michigan at Ann Arbor	454	University of Illinois at Urbana-Champaign	610
University of California-Los Angeles	384	Massachusetts Institute of Technology	581
University of California-San Diego	333	Brigham Young University main campus	578
Harvard University	316	Pennsylvania State University main campus	567
University of Illinois at Urbana-Champaign	312	Harvard University	563
University of Texas at Austin	312	University of Michigan at Ann Arbor	512
Massachusetts Institute of Technology	302	University of Texas at Austin	482
University of California-Davis	297	University of Wisconsin-Madison	435
University of Wisconsin-Madison	292	University of California-Los Angeles	426
University of Florida	274	Virginia Polytechnic Institute and State University	403
Pennsylvania State University main campus	269	University of California-Davis	390
Stanford University	268	University of Florida	375
Brown University	241	University of California-San Diego	372
University of Maryland at College Park	241	Purdue University main campus	371
Texas A&M University Main Campus	233	Texas A&M University main campus	364
Rutgers the State University of New Jersey New Brunswick	230	Stanford University	348
University of Pennsylvania	225	Princeton University	323
Yale University	225	Rutgers the State University of New Jersey New Brunswick	309
University of Virginia main campus	221	University of Washington-Seattle	309
Michigan State University	218	University of Minnesota-Twin Cities	303
Princeton University	217	University of Virginia main campus	297
Duke University	214	Georgia Institute of Technology main campus	290
University of Washington-Seattle	201	University of Maryland at College Park	286
University of California-Santa Cruz	199	University of Colorado at Boulder	285
Boston University	189	Michigan State University	280
University of Arizona	188	University of Arizona	277
University of Colorado at Boulder	185	Yale University	277
University of North Carolina at Chapel Hill	185	Duke University	271
University of Minnesota-Twin Cities	182	Ohio State University main campus	265
University of California-Santa Barbara	180	California Institute of Technology	258
University of Chicago	180	Brown University	256
Wellesley College	179	North Carolina State University at Raleigh	240
Indiana University at Bloomington	175	University of Chicago	238
Smith College	174	University of Pennsylvania	238
Northwestern University	171	University of California-Santa Cruz	237
Virginia Polytechnic Institute and State University	171	Carnegie Mellon University	230
Purdue University main campus	170	Johns Hopkins University	229
College of William and Mary	168	Northwestern University	216
University of California-Irvine	167	Rensselaer Polytechnic Institute	216
Ohio State University main campus	166	Iowa State University	213
Columbia University in the City of New York	159	University of California-Santa Barbara	212
Dartmouth College	151	SUNY at Buffalo	199
University of Massachusetts at Amherst	150	Columbia University in the City of New York	198
New York University	148	University of North Carolina at Chapel Hill	198
Oberlin College	147	University of Utah	195
Wesleyan University	146	Rice University	191
University of Puerto Rico Rio Piedras Campus	144	University of Rochester	190
SUNY at Binghamton	136	University of California-Irvine	186
Other U.S.	20,962	Other U.S.	26,299

NOTE: Institutions with the same number of doctorate recipients are listed alphabetically.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Earned Doctorates, 2001–2005.

TABLE F-5. Field distribution of doctorate recipients, by race/ethnicity and citizenship: 2005

Race/ethnicity and citizenship	All fields	All S&E	Science	Agricultural sciences	Biological sciences	Computer sciences	Earth, atmospheric, and ocean sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Engineering	Non-S&E	
														Number
All doctorate recipients	43,354	27,974	21,570	1,038	6,368	1,136	713	1,203	3,647	3,327	4,138	6,404	15,380	
U.S. citizen	26,312	14,912	12,913	527	4,141	405	421	480	1,768	2,811	2,360	1,999	11,400	
Permanent resident	1,600	1,112	827	30	255	68	21	61	132	80	180	285	488	
Temporary resident	12,824	10,404	6,650	415	1,677	599	233	602	1,550	210	1,364	3,754	2,420	
Unknown citizenship	2,618	1,546	1,180	66	295	64	38	60	197	226	234	366	1,072	
White	24,704	14,825	12,570	569	3,720	481	460	640	1,946	2,377	2,377	2,255	9,879	
U.S. citizen	20,845	11,848	10,327	473	3,248	305	374	387	1,442	2,243	1,855	1,521	8,997	
Permanent resident	627	425	342	13	89	22	10	26	59	43	80	83	202	
Temporary resident	3,166	2,505	1,865	81	376	153	75	226	439	81	434	640	661	
Unknown citizenship	66	47	36	2	7	1	1	1	6	10	8	11	19	
Asian <sup>a</sup>	10,222	8,349	5,139	231	1,652	492	130	380	1,179	232	843	3,210	1,873	
U.S. citizen	1,493	1,114	872	13	409	52	11	38	140	110	99	242	379	
Permanent resident	688	519	356	9	127	40	7	28	56	21	68	163	169	
Temporary resident	8,003	6,688	3,898	209	1,113	399	112	314	979	99	673	2,790	1,315	
Unknown citizenship	38	28	13	0	3	1	0	0	4	2	3	15	10	
Black	2,178	945	798	40	206	21	11	38	87	175	220	147	1,233	
U.S. citizen	1,688	640	555	13	142	15	6	16	47	159	157	85	1,048	
Permanent resident	107	65	50	3	16	0	0	6	8	5	12	15	42	
Temporary resident	380	238	192	24	48	6	5	16	32	10	51	46	142	
Unknown citizenship	3	2	1	0	0	0	0	0	0	1	0	1	1	
Hispanic	2,272	1,452	1,192	109	329	31	50	56	124	198	295	260	820	
U.S. citizen	1,294	722	649	14	207	9	15	23	69	178	134	73	572	
Permanent resident	132	77	61	4	20	3	3	1	5	10	15	16	55	
Temporary resident	842	651	480	91	101	19	32	32	50	9	146	171	191	
Unknown citizenship	4	2	2	0	1	0	0	0	0	1	0	0	2	
American Indian/Alaska Native	142	69	59	3	12	1	4	0	5	15	19	10	73	
U.S. citizen	139	66	58	3	12	1	4	0	4	15	19	8	73	
Permanent resident	1	1	0	0	0	0	0	0	0	0	0	1	0	
Temporary resident	2	2	1	0	0	0	0	0	1	0	0	1	0	
Unknown citizenship	0	0	0	0	0	0	0	0	0	0	0	0	0	
Other/unknown race/ethnicity <sup>b</sup>	3,836	2,334	1,812	86	449	110	58	89	306	330	384	522	1,502	
U.S. citizen	853	522	452	11	123	23	11	16	66	106	96	70	331	
Permanent resident	45	25	18	1	3	3	1	0	4	1	5	7	20	
Temporary resident	431	320	214	10	39	22	9	14	49	11	60	106	111	
Unknown citizenship	2,507	1,467	1,128	64	284	62	37	59	187	212	223	339	1,040	
	Percent distribution													
All doctorate recipients	100.0	64.5	49.8	2.4	14.7	2.6	1.6	2.8	8.4	7.7	9.5	14.8	35.5	
U.S. citizen	100.0	56.7	49.1	2.0	15.7	1.5	1.6	1.8	6.7	10.7	9.0	7.6	43.3	

TABLE F-5. Field distribution of doctorate recipients, by race/ethnicity and citizenship: 2005

Race/ethnicity and citizenship	All fields	All S&E	Science	Agricultural sciences	Biological sciences	Computer sciences	Earth, atmospheric, and ocean sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Engineering	Non-S&E
Permanent resident	100.0	69.5	51.7	1.9	15.9	4.3	1.3	3.8	8.3	5.0	11.3	17.8	30.5
Temporary resident	100.0	81.1	51.9	3.2	13.1	4.7	1.8	4.7	12.1	1.6	10.6	29.3	18.9
Unknown citizenship	100.0	59.1	45.1	2.5	11.3	2.4	1.5	2.3	7.5	8.6	8.9	14.0	40.9
White	100.0	60.0	50.9	2.3	15.1	1.9	1.9	2.6	7.9	9.6	9.6	9.1	40.0
U.S. citizen	100.0	56.8	49.5	2.3	15.6	1.5	1.8	1.9	6.9	10.8	8.9	7.3	43.2
Permanent resident	100.0	67.8	54.5	2.1	14.2	3.5	1.6	4.1	9.4	6.9	12.8	13.2	32.2
Temporary resident	100.0	79.1	58.9	2.6	11.9	4.8	2.4	7.1	13.9	2.6	13.7	20.2	20.9
Unknown citizenship	100.0	71.2	54.5	3.0	10.6	1.5	1.5	1.5	9.1	15.2	12.1	16.7	28.8
Asian <sup>a</sup>	100.0	81.7	50.3	2.3	16.2	4.8	1.3	3.7	11.5	2.3	8.2	31.4	18.3
U.S. citizen	100.0	74.6	58.4	0.9	27.4	3.5	0.7	2.5	9.4	7.4	6.6	16.2	25.4
Permanent resident	100.0	75.4	51.7	1.3	18.5	5.8	1.0	4.1	8.1	3.1	9.9	23.7	24.6
Temporary resident	100.0	83.6	48.7	2.6	13.9	5.0	1.4	3.9	12.2	1.2	8.4	34.9	16.4
Unknown citizenship	100.0	73.7	34.2	0.0	7.9	2.6	0.0	0.0	10.5	5.3	7.9	39.5	26.3
Black	100.0	43.4	36.6	1.8	9.5	1.0	0.5	1.7	4.0	8.0	10.1	6.7	56.6
U.S. citizen	100.0	37.9	32.9	0.8	8.4	0.9	0.4	0.9	2.8	9.4	9.3	5.0	62.1
Permanent resident	100.0	60.7	46.7	2.8	15.0	0.0	0.0	5.6	7.5	4.7	11.2	14.0	39.3
Temporary resident	100.0	62.6	50.5	6.3	12.6	1.6	1.3	4.2	8.4	2.6	13.4	12.1	37.4
Unknown citizenship	100.0	66.7	33.3	0.0	0.0	0.0	0.0	0.0	0.0	33.3	0.0	33.3	33.3
Hispanic	100.0	63.9	52.5	4.8	14.5	1.4	2.2	2.5	5.5	8.7	13.0	11.4	36.1
U.S. citizen	100.0	55.8	50.2	1.1	16.0	0.7	1.2	1.8	5.3	13.8	10.4	5.6	44.2
Permanent resident	100.0	58.3	46.2	3.0	15.2	2.3	2.3	0.8	3.8	7.6	11.4	12.1	41.7
Temporary resident	100.0	77.3	57.0	10.8	12.0	2.3	3.8	3.8	5.9	1.1	17.3	20.3	22.7
Unknown citizenship	100.0	50.0	50.0	0.0	25.0	0.0	0.0	0.0	0.0	25.0	0.0	0.0	50.0
American Indian/Alaska Native	100.0	48.6	41.5	2.1	8.5	0.7	2.8	0.0	3.5	10.6	13.4	7.0	51.4
U.S. citizen	100.0	47.5	41.7	2.2	8.6	0.7	2.9	0.0	2.9	10.8	13.7	5.8	52.5
Permanent resident	100.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0
Temporary resident	100.0	100.0	50.0	0.0	0.0	0.0	0.0	0.0	50.0	0.0	0.0	50.0	0.0
Unknown citizenship	100.0	na	na	na	na	na	na	na	na	na	na	na	na
Other/unknown race/ethnicity <sup>b</sup>	100.0	60.8	47.2	2.2	11.7	2.9	1.5	2.3	8.0	8.6	10.0	13.6	39.2
U.S. citizen	100.0	61.2	53.0	1.3	14.4	2.7	1.3	1.9	7.7	12.4	11.3	8.2	38.8
Permanent resident	100.0	55.6	40.0	2.2	6.7	6.7	2.2	0.0	8.9	2.2	11.1	15.6	44.4
Temporary resident	100.0	74.2	49.7	2.3	9.0	5.1	2.1	3.2	11.4	2.6	13.9	24.6	25.8
Unknown citizenship	100.0	58.5	45.0	2.6	11.3	2.5	1.5	2.4	7.5	8.5	8.9	13.5	41.5

na = not applicable; no nonzero values in this cell.

<sup>a</sup> Excludes Native Hawaiian/other Pacific Islander per revised Office of Management and Budget guidelines.<sup>b</sup> This category was expanded to include Native Hawaiian/other Pacific Islander and respondents choosing multiple races (excluding those selecting Hispanic ethnicity).

SOURCE: National Science Foundation, Division of Science Resources Statistics, Survey of Earned Doctorates, 2005.

TABLE F-6. S&amp;E doctorates awarded to U.S. citizens and permanent residents, by field and race/ethnicity: 1998–2005

Field and race/ethnicity	1998	1999	2000	2001	2002	2003	2004	2005
All S&E	18,288	17,569	17,116	16,319	15,511	15,733	15,744	16,024
White	14,011	13,721	13,443	12,725	11,911	12,023	12,031	12,273
Asian <sup>a</sup>	2,156	1,932	1,707	1,632	1,616	1,528	1,494	1,633
Black	643	715	710	701	687	664	751	705
Hispanic	757	722	730	669	723	744	718	799
American Indian/Alaska Native	96	114	88	73	69	73	60	67
Other/unknown race/ethnicity <sup>b</sup>	625	365	438	519	505	701	690	547
Science	15,241	14,678	14,543	13,867	13,346	13,555	13,557	13,740
White	11,841	11,610	11,553	10,972	10,433	10,463	10,484	10,669
Asian <sup>a</sup>	1,599	1,419	1,267	1,205	1,208	1,181	1,140	1,228
Black	562	617	629	609	602	587	657	605
Hispanic	647	639	648	578	625	640	630	710
American Indian/Alaska Native	83	102	80	67	63	61	54	58
Other/unknown race/ethnicity <sup>b</sup>	509	291	366	436	415	623	592	470
Agricultural sciences	591	561	559	506	492	562	566	557
White	454	456	452	430	417	465	470	486
Asian <sup>a</sup>	55	50	36	25	29	26	31	22
Black	21	27	22	14	13	22	20	16
Hispanic	35	16	29	26	21	25	16	18
American Indian/Alaska Native	9	1	5	0	2	4	4	3
Other/unknown race/ethnicity <sup>b</sup>	17	11	15	11	10	20	25	12
Biological sciences	4,319	4,123	4,268	4,248	4,113	4,059	4,196	4,396
White	3,249	3,128	3,307	3,258	3,119	3,059	3,188	3,337
Asian <sup>a</sup>	663	608	539	547	561	530	490	536
Black	111	116	118	139	124	108	149	158
Hispanic	169	174	174	165	182	176	192	227
American Indian/Alaska Native	12	20	17	15	12	11	14	12
Other/unknown race/ethnicity <sup>b</sup>	115	77	113	124	115	175	163	126
Computer sciences	563	493	458	424	420	446	447	473
White	413	356	337	322	291	308	320	327
Asian <sup>a</sup>	91	87	76	62	86	81	72	92
Black	14	19	18	15	17	17	17	15
Hispanic	15	14	14	8	14	11	13	12
American Indian/Alaska Native	4	1	1	1	2	2	2	1
Other/unknown race/ethnicity <sup>b</sup>	26	16	12	16	10	27	23	26
Earth, atmospheric, ocean sciences	533	471	474	411	433	451	438	442
White	443	387	411	354	374	379	379	384
Asian <sup>a</sup>	45	35	23	27	24	22	11	18
Black	5	11	4	5	5	13	7	6
Hispanic	17	20	16	9	14	15	11	18
American Indian/Alaska Native	3	6	4	0	0	2	4	4
Other/unknown race/ethnicity <sup>b</sup>	20	12	16	16	16	20	26	12
Atmospheric sciences	85	77	86	61	68	78	71	86
White	69	63	73	51	59	65	62	76
Asian <sup>a</sup>	9	9	6	5	5	7	5	3
Black	2	2	1	0	1	3	1	3
Hispanic	1	3	2	1	2	0	0	3
American Indian/Alaska Native	0	0	0	0	0	0	1	1
Other/unknown race/ethnicity <sup>b</sup>	4	0	4	4	1	3	2	0
Earth sciences	349	295	271	260	263	256	271	256
White	291	242	235	224	231	222	225	220
Asian <sup>a</sup>	29	20	13	18	11	10	6	12
Black	3	6	1	2	3	4	5	2
Hispanic	10	11	8	7	6	4	10	9
American Indian/Alaska Native	3	6	4	0	0	1	3	3
Other/unknown race/ethnicity <sup>b</sup>	13	10	10	9	12	15	22	10

TABLE F-6. S&E doctorates awarded to U.S. citizens and permanent residents, by field and race/ethnicity: 1998–2005

Field and race/ethnicity	1998	1999	2000	2001	2002	2003	2004	2005
Ocean sciences	99	99	117	90	102	117	96	100
White	83	82	103	79	84	92	92	88
Asian <sup>a</sup>	7	6	4	4	8	5	0	3
Black	0	3	2	3	1	6	1	1
Hispanic	6	6	6	1	6	11	1	6
American Indian/Alaska Native	0	0	0	0	0	1	0	0
Other/unknown race/ethnicity <sup>b</sup>	3	2	2	3	3	2	2	2
Mathematics and statistics	673	605	574	526	443	517	511	541
White	528	506	464	428	370	407	399	413
Asian <sup>a</sup>	72	56	70	50	28	51	54	66
Black	16	12	14	19	14	16	10	22
Hispanic	27	15	15	15	12	17	26	24
American Indian/Alaska Native	3	1	2	2	3	2	0	0
Other/unknown race/ethnicity <sup>b</sup>	27	15	9	12	16	24	22	16
Physical sciences	2,442	2,265	2,072	2,035	1,923	1,951	1,858	1,900
White	1,901	1,829	1,674	1,636	1,533	1,537	1,468	1,501
Asian <sup>a</sup>	334	252	202	200	193	184	164	196
Black	56	66	61	55	67	55	60	55
Hispanic	54	63	77	65	63	72	62	74
American Indian/Alaska Native	9	9	9	12	7	2	5	4
Other/unknown race/ethnicity <sup>b</sup>	88	46	49	67	60	101	99	70
Astronomy	147	117	139	124	106	130	115	120
White	120	109	115	104	86	104	93	100
Asian <sup>a</sup>	13	3	13	6	11	8	8	7
Black	1	2	1	1	1	1	0	2
Hispanic	2	1	3	7	4	3	6	3
American Indian/Alaska Native	1	1	1	1	0	0	0	0
Other/unknown race/ethnicity <sup>b</sup>	10	1	6	5	4	14	8	8
Chemistry	1,471	1,406	1,241	1,233	1,228	1,266	1,184	1,213
White	1,129	1,090	988	974	986	1,003	922	956
Asian <sup>a</sup>	210	183	121	126	122	112	112	125
Black	45	56	44	42	44	42	47	41
Hispanic	34	46	51	43	38	45	43	55
American Indian/Alaska Native	7	5	7	11	5	2	4	2
Other/unknown race/ethnicity <sup>b</sup>	46	26	30	37	33	62	56	34
Physics	824	742	692	678	589	555	559	567
White	652	630	571	558	461	430	453	445
Asian <sup>a</sup>	111	66	68	68	60	64	44	64
Black	10	8	16	12	22	12	13	12
Hispanic	18	16	23	15	21	24	13	16
American Indian/Alaska Native	1	3	1	0	2	0	1	2
Other/unknown race/ethnicity <sup>b</sup>	32	19	13	25	23	25	35	28
Psychology	3,274	3,293	3,230	2,977	2,793	2,855	2,788	2,891
White	2,646	2,701	2,606	2,410	2,228	2,260	2,137	2,286
Asian <sup>a</sup>	113	132	145	114	120	119	152	131
Black	158	172	189	172	170	169	206	164
Hispanic	208	216	211	169	184	170	172	188
American Indian/Alaska Native	31	35	22	17	15	22	12	15
Other/unknown race/ethnicity <sup>b</sup>	118	37	57	95	76	115	109	107



TABLE F-6. S&E doctorates awarded to U.S. citizens and permanent residents, by field and race/ethnicity: 1998–2005

Field and race/ethnicity	1998	1999	2000	2001	2002	2003	2004	2005
Social sciences	2,846	2,867	2,908	2,740	2,729	2,714	2,753	2,540
White	2,207	2,247	2,302	2,134	2,101	2,048	2,123	1,935
Asian <sup>a</sup>	226	199	176	180	167	168	166	167
Black	181	194	203	190	192	187	188	169
Hispanic	122	121	112	121	135	154	138	149
American Indian/Alaska Native	12	29	20	20	22	16	13	19
Other/unknown race/ethnicity <sup>b</sup>	98	77	95	95	112	141	125	101
Anthropology	380	400	411	369	430	422	471	392
White	298	330	337	290	333	310	364	306
Asian <sup>a</sup>	18	18	19	19	14	18	23	22
Black	10	15	21	13	24	24	17	23
Hispanic	21	12	13	20	25	34	37	19
American Indian/Alaska Native	5	8	5	8	7	2	2	3
Other/unknown race/ethnicity <sup>b</sup>	28	17	16	19	27	34	28	19
Area and ethnic studies	104	94	118	132	103	93	119	98
White	79	69	93	99	74	60	75	64
Asian <sup>a</sup>	2	4	5	4	2	5	5	5
Black	17	13	11	17	13	12	12	11
Hispanic	4	3	5	5	6	8	12	11
American Indian/Alaska Native	1	3	1	2	2	2	3	2
Other/unknown race/ethnicity <sup>b</sup>	1	2	3	5	6	6	12	5
Economics	583	543	501	464	426	408	401	385
White	429	417	395	359	328	313	309	292
Asian <sup>a</sup>	88	65	48	59	56	55	42	43
Black	23	28	22	13	13	11	24	10
Hispanic	27	21	22	18	16	17	11	27
American Indian/Alaska Native	0	1	1	2	0	1	0	1
Other/unknown race/ethnicity <sup>b</sup>	16	11	13	13	13	11	15	12
History of science	36	42	35	39	40	36	42	33
White	32	36	32	31	38	31	33	26
Asian <sup>a</sup>	0	3	0	3	0	0	2	2
Black	0	1	1	1	0	0	1	1
Hispanic	1	0	1	2	1	1	2	2
American Indian/Alaska Native	0	0	0	0	0	0	0	0
Other/unknown race/ethnicity <sup>b</sup>	3	2	1	2	1	4	4	2
Linguistics	136	156	119	124	108	114	136	115
White	103	123	98	97	84	86	105	93
Asian <sup>a</sup>	22	13	11	9	10	12	14	11
Black	4	4	1	6	3	0	3	1
Hispanic	6	13	5	5	7	9	9	4
American Indian/Alaska Native	0	1	0	0	0	1	0	0
Other/unknown race/ethnicity <sup>b</sup>	1	2	4	7	4	6	5	6
Political science and public administration	791	806	802	751	732	766	732	723
White	632	641	637	587	576	595	575	572
Asian <sup>a</sup>	43	45	38	36	33	30	38	33
Black	55	59	61	71	63	70	64	56
Hispanic	35	31	28	23	36	32	31	35
American Indian/Alaska Native	3	7	4	5	3	7	2	4
Other/unknown race/ethnicity <sup>b</sup>	23	23	34	29	21	32	22	23
Sociology	443	459	515	471	478	487	467	425
White	345	346	383	351	350	348	359	302
Asian <sup>a</sup>	24	30	32	27	29	22	28	30
Black	40	45	57	44	47	47	37	41
Hispanic	15	26	26	38	25	40	27	34
American Indian/Alaska Native	3	4	6	2	7	0	2	4
Other/unknown race/ethnicity <sup>b</sup>	16	8	11	9	20	30	14	14

TABLE F-6. S&E doctorates awarded to U.S. citizens and permanent residents, by field and race/ethnicity: 1998–2005

Field and race/ethnicity	1998	1999	2000	2001	2002	2003	2004	2005
Other	373	367	407	390	412	388	385	369
White	289	285	327	320	318	305	303	280
Asian <sup>a</sup>	29	21	23	23	23	26	14	21
Black	32	29	29	25	29	23	30	26
Hispanic	13	15	12	10	19	13	9	17
American Indian/Alaska Native	0	5	3	1	3	3	4	5
Other/unknown race/ethnicity <sup>b</sup>	10	12	13	11	20	18	25	20
Engineering	3,047	2,891	2,573	2,452	2,165	2,178	2,187	2,284
White	2,170	2,111	1,890	1,753	1,478	1,560	1,547	1,604
Asian <sup>a</sup>	557	513	440	427	408	347	354	405
Black	81	98	81	92	85	77	94	100
Hispanic	110	83	82	91	98	104	88	89
American Indian/Alaska Native	13	12	8	6	6	12	6	9
Other/unknown race/ethnicity <sup>b</sup>	116	74	72	83	90	78	98	77
Aerospace engineering	153	112	127	102	92	80	77	98
White	126	97	107	79	74	66	60	74
Asian <sup>a</sup>	13	13	11	12	11	7	9	9
Black	1	1	4	1	2	1	1	2
Hispanic	5	0	3	5	3	4	3	6
American Indian/Alaska Native	0	0	0	0	0	0	0	1
Other/unknown race/ethnicity <sup>b</sup>	8	1	2	5	2	2	4	6
Chemical engineering	374	371	383	362	335	292	314	331
White	275	286	280	273	223	210	218	237
Asian <sup>a</sup>	65	58	70	53	70	46	58	46
Black	3	11	8	17	12	9	10	14
Hispanic	13	7	18	7	16	16	12	21
American Indian/Alaska Native	3	2	1	1	1	1	2	0
Other/unknown race/ethnicity <sup>b</sup>	15	7	6	11	13	10	14	13
Civil engineering	297	312	261	270	248	269	224	252
White	217	241	194	194	185	217	156	191
Asian <sup>a</sup>	38	46	43	38	29	20	34	33
Black	9	6	6	11	13	9	7	9
Hispanic	16	12	9	9	9	13	20	11
American Indian/Alaska Native	0	2	1	0	0	1	3	0
Other/unknown race/ethnicity <sup>b</sup>	17	5	8	18	12	9	4	8
Electrical engineering	805	766	649	564	506	502	500	566
White	523	510	444	368	304	296	314	352
Asian <sup>a</sup>	206	172	141	137	131	134	109	144
Black	23	30	21	22	16	21	33	31
Hispanic	31	30	22	22	31	23	15	15
American Indian/Alaska Native	3	1	0	1	0	5	1	3
Other/unknown race/ethnicity <sup>b</sup>	19	23	21	14	24	23	28	21
Industrial engineering	101	99	77	89	81	71	77	76
White	72	80	59	54	56	47	56	49
Asian <sup>a</sup>	11	7	11	22	10	14	10	15
Black	8	7	4	6	4	3	3	8
Hispanic	7	4	0	3	6	4	3	2
American Indian/Alaska Native	0	0	0	0	1	0	0	0
Other/unknown race/ethnicity <sup>b</sup>	3	1	3	4	4	3	5	2
Materials engineering	313	261	244	225	175	200	211	194
White	225	184	190	165	123	154	160	148
Asian <sup>a</sup>	55	53	34	37	33	23	31	28
Black	10	7	5	6	5	4	6	5
Hispanic	8	8	8	9	7	13	7	10
American Indian/Alaska Native	2	2	0	1	1	0	0	0
Other/unknown race/ethnicity <sup>b</sup>	13	7	7	7	6	6	7	3

TABLE F-6. S&E doctorates awarded to U.S. citizens and permanent residents, by field and race/ethnicity: 1998–2005

Field and race/ethnicity	1998	1999	2000	2001	2002	2003	2004	2005
Mechanical engineering	517	464	396	428	343	333	298	323
White	371	336	279	302	227	246	210	237
Asian <sup>a</sup>	91	88	72	75	70	51	47	50
Black	13	12	18	17	17	9	17	11
Hispanic	19	9	12	21	12	13	10	13
American Indian/Alaska Native	2	2	3	1	1	1	0	4
Other/unknown race/ethnicity <sup>b</sup>	21	17	12	12	16	13	14	8
Other	487	506	436	412	385	431	486	444
White	361	377	337	318	286	324	373	316
Asian <sup>a</sup>	78	76	58	53	54	52	56	80
Black	14	24	15	12	16	21	17	20
Hispanic	11	13	10	15	14	18	18	11
American Indian/Alaska Native	3	3	3	2	2	4	0	1
Other/unknown race/ethnicity <sup>b</sup>	20	13	13	12	13	12	22	16

<sup>a</sup> Includes Native Hawaiians/other Pacific Islanders through 2000 but excludes them in 2001-2005 per revised Office of Management and Budget guidelines.

<sup>b</sup> 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 an Hispanic ethnicity).

SOURCE: National Science Foundation, Division of Science Resources Statistics, Survey of Earned Doctorates, 1998–2005.

TABLE F-7. Top baccalaureate institutions of black S&E doctorate recipients: 2001–2005

Academic institution	Doctorates
All institutions	4,467
Foreign institutions	967
Unknown	168
Top 50 U.S.	1,401
Howard University	96
Spelman College	75
Hampton University	69
Florida Agricultural and Mechanical University	58
Morehouse College	52
North Carolina Agricultural & Technical State University	41
Southern University A&M College at Baton Rouge	41
Xavier University of Louisiana	38
Harvard University	37
University of Maryland at College Park	35
Morgan State University	34
Jackson State University	33
Tuskegee University	33
University of California-Berkeley	32
Massachusetts Institute of Technology	31
Yale University	31
University of Michigan at Ann Arbor	30
University of North Carolina at Chapel Hill	26
Prairie View A&M University	24
University of Illinois at Urbana-Champaign	24
University of Virginia main campus	24
Princeton University	23
Brown University	21
Clark Atlanta University	21
University of Maryland Baltimore County	21
Alabama Agricultural and Mechanical University	20
Georgia Institute of Technology main campus	20
Norfolk State University	20
Stanford University	20
Tougaloo College	20
University of California-Los Angeles	20
University of Pennsylvania	20
Cornell University all campuses	19
Fisk University	19
North Carolina State University at Raleigh	19
Duke University	18
Louisiana State University and Agricultural & Mechanical College	18
Purdue University main campus	18
Tulane University	18
CUNY City College	17
Oakwood College	17
Pennsylvania State University main campus	17
Texas A&M University main campus	17
University of South Carolina at Columbia	17
University of Texas at Austin	17
Alabama State University	16
Grambling State University	16
North Carolina Central University	16
Tennessee State University	16
University of Florida	16
Other U.S.	1,931

NOTE: Institutions with the same number of doctorate recipients are listed alphabetically.

SOURCE: National Science Foundation, Division of Science Resources Statistics, Survey of Earned Doctorates, 2001–2005.

TABLE F-8. Top baccalaureate institutions of Hispanic S&E doctorate recipients: 2001–2005

Academic institution	Doctorates
All institutions	6,506
Foreign	2,758
Unknown	375
Top 51 U.S.	1,871
University of Puerto Rico Rio Piedras campus	230
University of Puerto Rico Mayaguez campus	144
University of California-Berkeley	102
University of Texas at Austin	65
Florida International University	64
University of California-Los Angeles	63
University of Florida	62
Massachusetts Institute of Technology	54
University of California-San Diego	47
University of Miami	45
University of Texas at El Paso	44
University of California-Davis	43
Cornell University all campuses	42
Texas A&M University main campus	40
University of California-Irvine	40
University of New Mexico all campuses	38
Harvard University	37
Stanford University	36
New Mexico State University all campuses	34
University of Michigan at Ann Arbor	32
University of Illinois at Urbana-Champaign	31
Rutgers the State University of New Jersey New Brunswick	29
University of Arizona	29
Princeton University	28
University of California-Santa Cruz	28
University of Texas at San Antonio	25
University of California-Santa Barbara	24
University of Puerto Rico Humacao University College	23
University of Houston	22
California State Polytechnic University-San Luis Obispo	21
Florida State University	21
California State University-Long Beach	20
San Diego State University	20
Arizona State University main campus	19
CUNY City College	19
Columbia University in the City of New York	19
San Francisco State University	18
St Mary's University	18
University of Maryland at College Park	18
California State University-Los Angeles	16
University of Colorado at Boulder	16
California Institute of Technology	15
California State University-Northridge	15
University of California-Riverside	15
University of Puerto Rico Cayey University College	15
University of South Florida	15
Brown University	14
New York University	14
Pennsylvania State University main campus	14
SUNY at Binghamton	14
University of Southern California	14
Other U.S.	1,502

NOTE: Institutions with the same number of doctorate recipients are listed alphabetically.

SOURCE: National Science Foundation, Division of Science Resources Statistics, Survey of Earned Doctorates, 2001–2005.

TABLE F-9. Top baccalaureate institutions of American Indian/Alaska Native S&E doctorate recipients: 2001–2005

Academic institution	Doctorates
All institutions	360
Foreign	19
Unknown	14
Top 24 U.S.	92
University of Oklahoma, Norman campus	7
Oklahoma State University all campuses	6
University of Central Oklahoma	6
University of Florida	6
University of Washington-Seattle	6
Dartmouth College	4
University of California-Davis	4
University of Michigan at Ann Arbor	4
University of North Dakota all campuses	4
Arizona State University main campus	3
Baylor University	3
Colorado State University	3
East Central University	3
Pennsylvania State University main campus	3
San Jose State University	3
University of Akron all campuses	3
University of California-San Diego	3
University of California-Santa Barbara	3
University of Houston	3
University of New Mexico all campuses	3
University of Oregon	3
University of Texas at Austin	3
University of Tulsa	3
University of Utah	3
Other U.S.	235

NOTE: Institutions with the same number of doctorate recipients are listed alphabetically.

SOURCE: National Science Foundation, Division of Science Resources Statistics, Survey of Earned Doctorates, 2001–2005.

TABLE F-10. Top baccalaureate institutions of Asian S&E doctorate recipients:  
2001–2005

Academic institution	Doctorates
All institutions	34,917
Foreign	27,186
Unknown	1,334
Top 50 U.S.	3,896
University of California-Berkeley	474
University of California-Los Angeles	240
Massachusetts Institute of Technology	236
Harvard University	188
Cornell University all campuses	174
Stanford University	138
University of California-Davis	113
University of California-San Diego	109
University of Texas at Austin	107
University of Michigan at Ann Arbor	97
University of California-Irvine	96
University of Illinois at Urbana-Champaign	95
California Institute of Technology	84
University of Chicago	78
University of Maryland at College Park	78
Princeton University	73
University of Pennsylvania	73
University of Wisconsin-Madison	70
Yale University	70
University of Washington-Seattle	68
Rutgers the State University of New Jersey New Brunswick	65
Johns Hopkins University	64
Northwestern University	61
Columbia University in the City of New York	60
Brown University	52
SUNY at Stony Brook all campuses	51
Carnegie Mellon University	47
University of Minnesota-Twin Cities	46
University of Southern California	46
Boston University	45
University of Hawaii at Manoa	43
New York University	41
Purdue University main campus	41
Rice University	40
University of Rochester	40
University of Virginia main campus	40
Duke University	39
Ohio State University main campus	39
Pennsylvania State University main campus	39
Rensselaer Polytechnic Institute	37
University of Florida	33
Iowa State University	32
Wellesley College	32
Washington University	31
Brandeis University	30
Texas A&M University main campus	30
Pomona College	28
University of Arizona	28
University of California-Riverside	28
Georgia Institute of Technology main campus	27
Other U.S.	2,501

NOTE: Institutions with the same number of doctorate recipients are listed alphabetically.

SOURCE: National Science Foundation, Division of Science Resources Statistics, Survey of Earned Doctorates, 2001–2005.

Women, Minorities, and Persons with Disabilities in Science and Engineering

TABLE F-11. S&E doctorates awarded to U.S. citizens and permanent residents, by field, sex, and race/ethnicity: 1998-2005

Field, sex, and race/ethnicity	1998	1999	2000	2001	2002	2003	2004	2005
All S&E	18,288	17,569	17,116	16,319	15,511	15,733	15,744	16,024
Female	7,184	7,073	7,134	6,872	6,702	6,830	6,853	7,138
Male	11,087	10,496	9,980	9,447	8,808	8,903	8,891	8,884
Unknown	17	0	2	0	1	0	0	2
White	14,011	13,721	13,443	12,725	11,911	12,023	12,031	12,273
Female	5,497	5,458	5,511	5,250	5,038	5,131	5,098	5,319
Male	8,514	8,263	7,932	7,475	6,872	6,892	6,933	6,954
Unknown	0	0	0	0	1	0	0	0
Asian <sup>a</sup>	2,156	1,932	1,707	1,632	1,616	1,528	1,494	1,633
Female	767	715	680	683	677	645	677	745
Male	1,383	1,217	1,027	949	939	883	817	887
Unknown	6	0	0	0	0	0	0	1
Black	643	715	710	701	687	664	751	705
Female	351	368	391	373	371	378	422	395
Male	292	347	319	328	316	286	329	310
Hispanic	757	722	730	669	723	744	718	799
Female	326	362	350	333	379	366	363	406
Male	431	360	379	336	344	378	355	393
Unknown	0	0	1	0	0	0	0	0
American Indian/Alaska Native	96	114	88	73	69	73	60	67
Female	42	55	45	32	33	39	27	32
Male	54	59	43	41	36	34	33	35
Other/unknown race/ethnicity <sup>b</sup>	625	365	438	519	505	701	690	547
Female	201	115	157	201	204	271	266	241
Male	413	250	280	318	301	430	424	305
Unknown	11	0	1	0	0	0	0	1
Science	15,241	14,678	14,543	13,867	13,346	13,555	13,557	13,740
Female	6,732	6,580	6,642	6,392	6,259	6,389	6,381	6,660
Male	8,498	8,098	7,899	7,475	7,086	7,166	7,176	7,079
Unknown	11	0	2	0	1	0	0	1
White	11,841	11,610	11,553	10,972	10,433	10,463	10,484	10,669
Female	5,190	5,106	5,177	4,932	4,761	4,830	4,781	5,024
Male	6,651	6,504	6,376	6,040	5,671	5,633	5,703	5,645
Unknown	0	0	0	0	1	0	0	0
Asian <sup>a</sup>	1,599	1,419	1,267	1,205	1,208	1,181	1,140	1,228
Female	670	630	570	584	579	564	593	645
Male	926	789	697	621	629	617	547	582
Unknown	3	0	0	0	0	0	0	1
Black	562	617	629	609	602	587	657	605
Female	329	344	367	348	343	359	388	369
Male	233	273	262	261	259	228	269	236
Hispanic	647	639	648	578	625	640	630	710
Female	313	339	337	310	354	343	342	377
Male	334	300	310	268	271	297	288	333
Unknown	0	0	1	0	0	0	0	0
American Indian/Alaska Native	83	102	80	67	63	61	54	58
Female	38	53	41	30	33	36	25	31
Male	45	49	39	37	30	25	29	27
Other/unknown race/ethnicity <sup>b</sup>	509	291	366	436	415	623	592	470
Female	192	108	150	188	189	257	252	214
Male	309	183	215	248	226	366	340	256
Unknown	8	0	1	0	0	0	0	0
Agricultural sciences	591	561	559	506	492	562	566	557
Female	205	185	195	195	181	200	226	224
Male	386	376	364	311	310	362	340	333
Unknown	0	0	0	0	1	0	0	0



*Women, Minorities, and Persons with Disabilities in Science and Engineering*

TABLE F-11. S&E doctorates awarded to U.S. citizens and permanent residents, by field, sex, and race/ethnicity: 1998-2005

Field, sex, and race/ethnicity	1998	1999	2000	2001	2002	2003	2004	2005
White	454	456	452	430	417	465	470	486
Female	154	147	158	157	150	157	171	181
Male	300	309	294	273	266	308	299	305
Unknown	0	0	0	0	1	0	0	0
Asian <sup>a</sup>	55	50	36	25	29	26	31	22
Female	25	19	12	13	15	16	23	13
Male	30	31	24	12	14	10	8	9
Black	21	27	22	14	13	22	20	16
Female	5	9	11	6	5	8	11	12
Male	16	18	11	8	8	14	9	4
Hispanic	35	16	29	26	21	25	16	18
Female	13	7	11	14	8	11	11	10
Male	22	9	18	12	13	14	5	8
American Indian/Alaska Native	9	1	5	0	2	4	4	3
Female	2	0	1	0	0	1	2	2
Male	7	1	4	0	2	3	2	1
Other/unknown race/ethnicity <sup>b</sup>	17	11	15	11	10	20	25	12
Female	6	3	2	5	3	7	8	6
Male	11	8	13	6	7	13	17	6
Biological sciences	4,319	4,123	4,268	4,248	4,113	4,059	4,196	4,396
Female	1,925	1,864	1,988	1,973	1,918	1,918	2,006	2,168
Male	2,392	2,259	2,280	2,275	2,195	2,141	2,190	2,227
Unknown	2	0	0	0	0	0	0	1
White	3,249	3,128	3,307	3,258	3,119	3,059	3,188	3,337
Female	1,438	1,402	1,510	1,488	1,392	1,449	1,467	1,607
Male	1,811	1,726	1,797	1,770	1,727	1,610	1,721	1,730
Asian <sup>a</sup>	663	608	539	547	561	530	490	536
Female	292	276	263	267	290	254	260	284
Male	370	332	276	280	271	276	230	251
Unknown	1	0	0	0	0	0	0	1
Black	111	116	118	139	124	108	149	158
Female	70	66	74	84	67	64	89	100
Male	41	50	44	55	57	44	60	58
Hispanic	169	174	174	165	182	176	192	227
Female	79	76	92	77	114	80	108	113
Male	90	98	82	88	68	96	84	114
American Indian/Alaska Native	12	20	17	15	12	11	14	12
Female	6	10	7	7	6	8	4	6
Male	6	10	10	8	6	3	10	6
Other/unknown race/ethnicity <sup>b</sup>	115	77	113	124	115	175	163	126
Female	40	34	42	50	49	63	78	58
Male	74	43	71	74	66	112	85	68
Unknown	1	0	0	0	0	0	0	0
Computer sciences	563	493	458	424	420	446	447	473
Female	123	106	86	98	97	99	102	105
Male	439	387	372	326	323	347	345	368
Unknown	1	0	0	0	0	0	0	0
White	413	356	337	322	291	308	320	327
Female	84	71	62	60	59	65	70	61
Male	329	285	275	262	232	243	250	266
Asian <sup>a</sup>	91	87	76	62	86	81	72	92
Female	23	19	15	20	26	17	19	27
Male	68	68	61	42	60	64	53	65
Black	14	19	18	15	17	17	17	15
Female	8	10	5	10	7	5	5	8

TABLE F-11. S&E doctorates awarded to U.S. citizens and permanent residents, by field, sex, and race/ethnicity: 1998-2005

Field, sex, and race/ethnicity	1998	1999	2000	2001	2002	2003	2004	2005
Male	6	9	13	5	10	12	12	7
Hispanic	15	14	14	8	14	11	13	12
Female	1	3	3	4	2	5	3	3
Male	14	11	11	4	12	6	10	9
American Indian/Alaska Native	4	1	1	1	2	2	2	1
Female	0	1	0	0	0	0	0	0
Male	4	0	1	1	2	2	2	1
Other/unknown race/ethnicity <sup>b</sup>	26	16	12	16	10	27	23	26
Female	7	2	1	4	3	7	5	6
Male	18	14	11	12	7	20	18	20
Unknown	1	0	0	0	0	0	0	0
Earth, atmospheric, and ocean sciences	533	471	474	411	433	451	438	442
Female	157	135	145	138	163	153	175	164
Male	376	336	329	273	270	298	263	278
White	443	387	411	354	374	379	379	384
Female	133	110	124	122	140	123	152	138
Male	310	277	287	232	234	256	227	246
Asian <sup>a</sup>	45	35	23	27	24	22	11	18
Female	13	10	9	7	10	8	4	9
Male	32	25	14	20	14	14	7	9
Black	5	11	4	5	5	13	7	6
Female	1	4	1	2	0	7	1	1
Male	4	7	3	3	5	6	6	5
Hispanic	17	20	16	9	14	15	11	18
Female	6	4	3	5	2	6	5	8
Male	11	16	13	4	12	9	6	10
American Indian/Alaska Native	3	6	4	0	0	2	4	4
Female	1	3	1	0	0	1	0	3
Male	2	3	3	0	0	1	4	1
Other/unknown race/ethnicity <sup>b</sup>	20	12	16	16	16	20	26	12
Female	3	4	7	2	11	8	13	5
Male	17	8	9	14	5	12	13	7
Mathematics and statistics	673	605	574	526	443	517	511	541
Female	199	192	164	155	135	152	154	151
Male	473	413	409	371	308	365	357	390
Unknown	1	0	1	0	0	0	0	0
White	528	506	464	428	370	407	399	413
Female	150	159	126	120	112	110	125	106
Male	378	347	338	308	258	297	274	307
Asian <sup>a</sup>	72	56	70	50	28	51	54	66
Female	27	20	21	17	5	24	17	28
Male	45	36	49	33	23	27	37	38
Black	16	12	14	19	14	16	10	22
Female	7	6	7	7	8	5	3	7
Male	9	6	7	12	6	11	7	15
Hispanic	27	15	15	15	12	17	26	24
Female	7	5	7	5	4	7	7	6
Male	20	10	8	10	8	10	19	18

Women, Minorities, and Persons with Disabilities in Science and Engineering

TABLE F-11. S&E doctorates awarded to U.S. citizens and permanent residents, by field, sex, and race/ethnicity: 1998-2005

Field, sex, and race/ethnicity	1998	1999	2000	2001	2002	2003	2004	2005
American Indian/Alaska Native	3	1	2	2	3	2	0	0
Female	2	0	1	1	1	1	0	0
Male	1	1	1	1	2	1	0	0
Other/unknown race/ethnicity <sup>b</sup>	27	15	9	12	16	24	22	16
Female	6	2	2	5	5	5	2	4
Male	20	13	6	7	11	19	20	12
Unknown	1	0	1	0	0	0	0	0
Physical sciences	2,442	2,265	2,072	2,035	1,923	1,951	1,858	1,900
Female	599	547	540	523	530	561	502	562
Male	1,841	1,718	1,532	1,512	1,393	1,390	1,356	1,338
Unknown	2	0	0	0	0	0	0	0
White	1,901	1,829	1,674	1,636	1,533	1,537	1,468	1501
Female	442	391	414	391	409	421	382	430
Male	1,459	1,438	1,260	1,245	1,124	1,116	1,086	1071
Asian <sup>a</sup>	334	252	202	200	193	184	164	196
Female	103	93	70	73	61	72	53	66
Male	229	159	132	127	132	112	111	130
Unknown	2	0	0	0	0	0	0	0
Black	56	66	61	55	67	55	60	55
Female	31	29	21	20	28	19	25	17
Male	25	37	40	35	39	36	35	38
Hispanic	54	63	77	65	63	72	62	74
Female	11	22	25	22	22	23	24	32
Male	43	41	52	43	41	49	38	42
American Indian/Alaska Native	9	9	9	12	7	2	5	4
Female	1	3	2	2	0	1	1	0
Male	8	6	7	10	7	1	4	4
Other/unknown race/ethnicity <sup>b</sup>	88	46	49	67	60	101	99	70
Female	11	9	8	15	10	25	17	17
Male	77	37	41	52	50	76	82	53
Psychology	3,274	3,293	3,230	2,977	2,793	2,855	2,788	2,891
Female	2,212	2,229	2,178	2,004	1,879	1,964	1,891	1,990
Male	1,058	1,064	1,051	973	914	891	897	901
Unknown	4	0	1	0	0	0	0	0
White	2,646	2,701	2,606	2,410	2,228	2,260	2,137	2286
Female	1,764	1,789	1,725	1,594	1,481	1,550	1,405	1552
Male	882	912	881	816	747	710	732	734
Asian <sup>a</sup>	113	132	145	114	120	119	152	131
Female	84	98	99	89	81	81	126	105
Male	29	34	46	25	39	38	26	26
Black	158	172	189	172	170	169	206	164
Female	115	135	144	122	128	126	156	126
Male	43	37	45	50	42	43	50	38
Hispanic	208	216	211	169	184	170	172	188
Female	152	158	151	123	129	116	116	126
Male	56	58	59	46	55	54	56	62
Unknown	0	0	1	0	0	0	0	0
American Indian/Alaska Native	31	35	22	17	15	22	12	15
Female	18	23	19	12	8	14	9	9
Male	13	12	3	5	7	8	3	6
Other/unknown race/ethnicity <sup>b</sup>	118	37	57	95	76	115	109	107
Female	79	26	40	64	52	77	79	72
Male	35	11	17	31	24	38	30	35
Unknown	4	0	0	0	0	0	0	0

Women, Minorities, and Persons with Disabilities in Science and Engineering

TABLE F-11. S&E doctorates awarded to U.S. citizens and permanent residents, by field, sex, and race/ethnicity: 1998-2005

Field, sex, and race/ethnicity	1998	1999	2000	2001	2002	2003	2004	2005
Social sciences	2,846	2,867	2,908	2,740	2,729	2,714	2,753	2,540
Female	1,312	1,322	1,346	1,306	1,356	1,342	1,325	1,296
Male	1,533	1,545	1,562	1,434	1,373	1,372	1,428	1,244
Unknown	1	0	0	0	0	0	0	0
White	2,207	2,247	2,302	2,134	2,101	2,048	2,123	1,935
Female	1,025	1,037	1,058	1,000	1,018	955	1,009	949
Male	1,182	1,210	1,244	1,134	1,083	1,093	1,114	986
Asian <sup>a</sup>	226	199	176	180	167	168	166	167
Female	103	95	81	98	91	92	91	113
Male	123	104	95	82	76	76	75	54
Black	181	194	203	190	192	187	188	169
Female	92	85	104	97	100	125	98	98
Male	89	109	99	93	92	62	90	71
Hispanic	122	121	112	121	135	154	138	149
Female	44	64	45	60	73	95	68	79
Male	78	57	67	61	62	59	70	70
American Indian/Alaska Native	12	29	20	20	22	16	13	19
Female	8	13	10	8	18	10	9	11
Male	4	16	10	12	4	6	4	8
Other/unknown race/ethnicity <sup>b</sup>	98	77	95	95	112	141	125	101
Female	40	28	48	43	56	65	50	46
Male	57	49	47	52	56	76	75	55
Unknown	1	0	0	0	0	0	0	0
Engineering	3,047	2,891	2,573	2,452	2,165	2,178	2,187	2,284
Female	452	493	492	480	443	441	472	478
Male	2,589	2,398	2,081	1,972	1,722	1,737	1,715	1,805
Unknown	6	0	0	0	0	0	0	1
White	2,170	2,111	1,890	1,753	1,478	1,560	1,547	1,604
Female	307	352	334	318	277	301	317	295
Male	1,863	1,759	1,556	1,435	1,201	1,259	1,230	1,309
Asian <sup>a</sup>	557	513	440	427	408	347	354	405
Female	97	85	110	99	98	81	84	100
Male	457	428	330	328	310	266	270	305
Unknown	3	0	0	0	0	0	0	0
Black	81	98	81	92	85	77	94	100
Female	22	24	24	25	28	19	34	26
Male	59	74	57	67	57	58	60	74
Hispanic	110	83	82	91	98	104	88	89
Female	13	23	13	23	25	23	21	29
Male	97	60	69	68	73	81	67	60
American Indian/Alaska Native	13	12	8	6	6	12	6	9
Female	4	2	4	2	0	3	2	1
Male	9	10	4	4	6	9	4	8
Other/unknown race/ethnicity <sup>b</sup>	116	74	72	83	90	78	98	77
Female	9	7	7	13	15	14	14	27
Male	104	67	65	70	75	64	84	49
Unknown	3	0	0	0	0	0	0	1

<sup>a</sup> Includes Native Hawaiians/other Pacific Islanders through 2000 but excludes them in 2001-2005 per revised Office of Management and Budget guidelines.

<sup>b</sup> 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 an Hispanic ethnicity).

SOURCE: National Science Foundation, Division of Science Resources Statistics, Survey of Earned Doctorates, 1998-2005.

TABLE F-12. S&E doctorates awarded to U.S. citizens and permanent residents, by sex, race/ethnicity, and field: 2005  
(Percent distribution)

Sex and field	All U.S. citizens and permanent residents	White	Asian <sup>a</sup>	Black	Hispanic	American Indian/ Alaska Native	Other/ unknown race/ ethnicity <sup>b</sup>
Female (number)	7,138	5,319	745	395	406	32	241
S&E	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Science	93.3	94.5	86.6	93.4	92.9	96.9	88.8
Agricultural sciences	3.1	3.4	1.7	3.0	2.5	6.3	2.5
Biological sciences	30.4	30.2	38.1	25.3	27.8	18.8	24.1
Computer sciences	1.5	1.1	3.6	2.0	0.7	0.0	2.5
Earth, atmospheric, and ocean sciences	2.3	2.6	1.2	0.3	2.0	9.4	2.1
Atmospheric sciences	0.4	0.5	0.1	0.0	0.5	0.0	0.0
Earth sciences	1.3	1.4	0.7	0.3	1.0	9.4	1.7
Ocean sciences	0.6	0.7	0.4	0.0	0.5	0.0	0.4
Mathematics and statistics	2.1	2.0	3.8	1.8	1.5	0.0	1.7
Physical sciences	7.9	8.1	8.9	4.3	7.9	0.0	7.1
Astronomy	0.5	0.5	0.3	0.0	0.5	0.0	0.8
Chemistry	6.2	6.4	6.8	3.8	7.1	0.0	5.0
Physics	1.1	1.2	1.7	0.5	0.2	0.0	1.2
Psychology	27.9	29.2	14.1	31.9	31.0	28.1	29.9
Social sciences	18.2	17.8	15.2	24.8	19.5	34.4	19.1
Anthropology	3.3	3.4	2.3	4.1	2.5	6.3	2.9
Area/ethnic studies	0.7	0.6	0.3	1.5	2.2	3.1	1.2
Economics	1.9	1.8	3.6	0.8	2.5	0.0	1.2
History of science	0.2	0.2	0.1	0.0	0.5	0.0	0.4
Linguistics	1.1	1.2	1.3	0.3	0.7	0.0	1.2
Political science/public administration	4.5	4.7	2.4	7.6	3.2	6.3	5.4
Sociology	3.8	3.6	3.2	6.3	5.4	9.4	3.3
Other	2.5	2.4	1.9	4.3	2.5	9.4	3.3
Engineering	6.7	5.5	13.4	6.6	7.1	3.1	11.2
Aerospace engineering	0.2	0.2	0.0	0.0	0.2	0.0	0.8
Chemical engineering	1.2	0.9	2.0	1.8	1.7	0.0	2.1
Civil engineering	1.1	1.0	1.7	1.5	0.5	0.0	1.2
Electrical engineering	1.1	0.8	3.1	1.5	0.5	0.0	3.3
Industrial engineering	0.2	0.2	0.3	0.3	0.2	0.0	0.4
Materials engineering	0.7	0.6	1.3	0.0	1.7	0.0	0.8
Mechanical engineering	0.6	0.5	0.9	0.0	1.5	3.1	0.4
Other	1.6	1.3	4.0	1.5	0.7	0.0	2.1
Male (number)	8,884	6,954	887	310	393	35	305
S&E	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Science	79.7	81.2	65.6	76.1	84.7	77.1	83.9
Agricultural sciences	3.7	4.4	1.0	1.3	2.0	2.9	2.0
Biological sciences	25.1	24.9	28.3	18.7	29.0	17.1	22.3
Computer sciences	4.1	3.8	7.3	2.3	2.3	2.9	6.6
Earth, atmospheric, and ocean sciences	3.1	3.5	1.0	1.6	2.5	2.9	2.3
Atmospheric sciences	0.7	0.7	0.2	1.0	0.3	2.9	0.0
Earth sciences	1.8	2.1	0.8	0.3	1.3	0.0	2.0
Ocean sciences	0.6	0.7	0.0	0.3	1.0	0.0	0.3
Mathematics and statistics	4.4	4.4	4.3	4.8	4.6	0.0	3.9
Physical sciences	15.1	15.4	14.7	12.3	10.7	11.4	17.4
Astronomy	1.0	1.0	0.6	0.6	0.3	0.0	2.0
Chemistry	8.6	8.9	8.3	8.4	6.6	5.7	7.2
Physics	5.5	5.5	5.7	3.2	3.8	5.7	8.2
Psychology	10.1	10.6	2.9	12.3	15.8	17.1	11.5

TABLE F-12. S&E doctorates awarded to U.S. citizens and permanent residents, by sex, race/ethnicity, and field: 2005  
(Percent distribution)

Sex and field	All U.S. citizens and permanent residents	White	Asian <sup>a</sup>	Black	Hispanic	American Indian/ Alaska Native	Other/ unknown race/ ethnicity <sup>b</sup>
Social sciences	14.0	14.2	6.1	22.9	17.8	22.9	18.0
Anthropology	1.8	1.8	0.6	2.3	2.3	2.9	3.9
Area/ethnic studies	0.5	0.5	0.3	1.6	0.5	2.9	0.7
Economics	2.8	2.8	1.8	2.3	4.3	2.9	3.0
History of science	0.2	0.3	0.1	0.3	0.0	0.0	0.3
Linguistics	0.4	0.4	0.1	0.0	0.3	0.0	1.0
Political science/public administration	4.5	4.7	1.7	8.4	5.6	5.7	3.3
Sociology	1.7	1.6	0.7	5.2	3.1	2.9	2.0
Other	2.1	2.2	0.8	2.9	1.8	5.7	3.9
Engineering	20.3	18.8	34.4	23.9	15.3	22.9	16.1
Aerospace engineering	1.0	0.9	1.0	0.6	1.3	2.9	1.3
Chemical engineering	2.8	2.7	3.5	2.3	3.6	0.0	2.6
Civil engineering	1.9	2.0	2.3	1.0	2.3	0.0	1.6
Electrical engineering	5.5	4.5	13.6	8.1	3.3	8.6	3.9
Industrial engineering	0.7	0.5	1.5	2.3	0.3	0.0	0.3
Materials engineering	1.6	1.7	2.0	1.6	0.8	0.0	0.3
Mechanical engineering	3.2	3.0	4.8	3.5	1.8	8.6	2.3
Other	3.7	3.5	5.6	4.5	2.0	2.9	3.6

<sup>a</sup> Excludes Native Hawaiians/other Pacific Islanders per revised Office of Management and Budget guidelines.

<sup>b</sup> This category includes Native Hawaiians/other Pacific Islanders and respondents choosing multiple races (excluding those selecting an Hispanic ethnicity).

SOURCE: National Science Foundation, Division of Science Resources Statistics, Survey of Earned Doctorates, 2005.

TABLE F-13. S&E doctorate recipients, by disability status: 1997–2005

Disability status	1997	1998	1999	2000	2001	2002	2003	2004	2005
All S&E doctorate recipients	27,229	27,273	25,931	25,966	25,496	24,582	25,274	26,272	27,974
No disability	26,909	26,951	25,594	25,638	25,156	24,254	24,961	25,986	27,667
With disability	320	322	337	328	340	328	313	286	307
Blind/visually impaired	39	55	54	49	39	26	28	22	24
Deaf/hard of hearing	45	36	40	38	48	42	48	33	40
Learning disabilities <sup>a</sup>	na	na	na	na	83	78	74	99	89
Physical/orthopedic disability	104	92	96	94	99	121	95	88	86
Vocal/speech disability	7	11	6	6	8	8	11	11	14
Other or more than one	98	96	110	110	58	48	52	28	49
Unspecified	27	32	31	31	5	5	5	5	5

na = not applicable.

<sup>a</sup> Not included in survey before 2001.

NOTE: Respondents are asked if they have a disability and then are asked to mark one or more types of disability (blind/visually impaired, deaf/hard of hearing, physical/orthopedic disability, learning/cognitive disability, vocal/speech disability, or other disability).

SOURCE: National Science Foundation, Division of Science Resources Statistics, Survey of Earned Doctorates, 1997–2005.

TABLE F-14. Top baccalaureate institutions of S&E doctorate recipients with disabilities, by disability type: 2001–2005

Academic institution	All disabilities	Blind/ visually impaired	Deaf/hard of hearing	Learning disabilities	Physical/ orthopedic disability	Vocal/ speech disability	Other/more than one	Unspecified
All institutions	1,574	139	211	423	489	52	235	25
Foreign	166	18	35	17	65	13	15	3
Unknown	39	5	5	7	12	1	8	1
Top 42 U.S.	456	39	64	140	120	15	71	7
University of California-Berkeley	34	3	1	16	4	1	8	1
Cornell University endowed colleges	20	2	3	4	6	0	5	0
University of Minnesota-Twin Cities	20	2	2	6	3	1	5	1
University of Maryland	16	1	2	3	5	1	4	0
University of California-Los Angeles	14	0	1	4	5	0	4	0
University of Michigan-Ann Arbor	14	0	2	4	2	0	5	1
University of Virginia	14	1	2	5	6	0	0	0
University of California-Davis	13	1	1	5	4	0	2	0
Brigham Young University	12	0	2	5	3	0	1	1
Pennsylvania State University	12	0	2	1	4	2	3	0
University of California-Santa Barbara	12	1	1	3	5	0	2	0
University of Florida	12	1	4	1	5	0	1	0
University of New Mexico	12	0	0	4	5	1	2	0
Princeton University	11	0	3	5	3	0	0	0
University of Washington	11	0	1	5	4	0	1	0
Texas A&M University	10	1	3	1	3	0	2	0
University of Arizona	10	0	1	6	3	0	0	0
University of California-San Diego	10	2	3	4	1	0	0	0
University of California-Santa Cruz	10	0	1	8	0	0	1	0
University of Massachusetts-Amherst	10	0	1	4	2	0	3	0
University of Pennsylvania	10	0	2	1	4	0	3	0
University of Wisconsin-Madison	10	0	1	1	3	2	3	0
California Polytechnic State University-San Luis Obispo	9	2	1	4	2	0	0	0
Duke University	9	0	2	3	3	0	0	1
Purdue University	9	1	1	2	4	0	1	0
University of Colorado-Boulder	9	1	0	3	2	0	3	0
University of Illinois-Urbana-Champaign	9	1	3	4	1	0	0	0
Virginia Polytechnic Institute & State University	9	1	2	2	1	1	1	1
Arizona State University	8	0	1	3	3	0	1	0
Harvard University	8	2	0	1	4	1	0	0
Michigan State University	8	3	2	2	1	0	0	0
Oberlin College	8	1	1	2	3	0	1	0
Ohio State University	8	1	1	3	1	0	2	0
Rutgers the State University of New Jersey New Brunswick	8	2	2	2	1	0	0	1
University of Texas-Austin	8	0	1	1	4	1	1	0
Columbia University	7	1	0	4	1	0	1	0
Rice University	7	1	2	1	0	2	1	0
San Francisco State University	7	2	1	2	2	0	0	0
Stanford University	7	1	2	1	0	1	2	0
SUNY Buffalo	7	0	1	2	4	0	0	0
University of South Florida	7	1	1	1	3	0	1	0
Yale University	7	3	1	1	0	1	1	0
Other U.S.	913	77	107	259	292	23	141	14

NOTE: Respondents are asked if they have a disability and then are asked to mark one or more types of disability (blind/visually impaired, deaf/hard of hearing, physical/orthopedic disability, learning/cognitive disability, vocal/speech disability, or other disability). Institutions with the same number of doctorate recipients are listed alphabetically.

SOURCE: National Science Foundation, Division of Science Resources Statistics, Survey of Earned Doctorates, 2001–2005.



TABLE F-15. S&E doctorate recipients, by field and disability status: 2005

Field	All recipients	No disability		With disability	
		Number	Percent	Number	Percent
S&E	27,974	27,667	100.0	307	100.0
Science	21,570	21,298	77.0	272	88.6
Agricultural sciences	1,038	1,029	3.7	9	2.9
Biological sciences	6,368	6,301	22.8	67	21.8
Computer sciences	1,136	1,125	4.1	11	3.6
Earth, atmospheric, and ocean sciences	713	705	2.5	8	2.6
Atmospheric sciences	144	143	0.5	1	0.3
Earth sciences	420	414	1.5	6	2.0
Ocean sciences	149	148	0.5	1	0.3
Mathematics and statistics	1,203	1,195	4.3	8	2.6
Physical sciences	3,647	3,617	13.1	30	9.8
Astronomy	186	185	0.7	1	0.3
Chemistry	2,127	2,112	7.6	15	4.9
Physics	1,334	1,320	4.8	14	4.6
Psychology	3,327	3,256	11.8	71	23.1
Social sciences	4,138	4,070	14.7	68	22.1
Anthropology	499	489	1.8	10	3.3
Area/ethnic studies	110	108	0.4	2	0.7
Economics	1,184	1,175	4.2	9	2.9
History of science	43	43	0.2	0	
Linguistics	211	208	0.8	3	1.0
Political science	990	973	3.5	17	5.5
Sociology	555	542	2.0	13	4.2
Other	546	532	1.9	14	4.6
Engineering	6,404	6,369	23.0	35	11.4
Aerospace engineering	219	218	0.8	1	0.3
Chemical engineering	875	869	3.1	6	2.0
Civil engineering	757	752	2.7	5	1.6
Electrical engineering	1,852	1,847	6.7	5	1.6
Industrial engineering	222	220	0.8	2	0.7
Materials engineering	540	540	2.0	0	0.0
Mechanical engineering	978	972	3.5	6	2.0
Other	961	951	3.4	10	3.3

NOTE: Respondents are asked if they have a disability and then are asked to mark one or more types of disability (blind/visually impaired, deaf/hard of hearing, physical/orthopedic disability, learning/cognitive disability, vocal/speech disability, or other disability).

SOURCE: National Science Foundation, Division of Science Resources Statistics, Survey of Earned Doctorates, 2005.

TABLE F-16. Primary source of support for U.S.-citizen and permanent-resident S&E doctorate recipients, by sex and doctorate field: 2001–2005  
(Percent distribution)

Sex and primary source of support	All S&E	Science	Agricultural sciences	Biological sciences	Computer sciences	Earth, atmospheric, and ocean sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Engineering
All recipients (number) <sup>a</sup>	79,331	68,065	2,683	21,012	2,210	2,175	2,538	9,667	14,304	13,476	11,266
All sources	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Personal/family funds	19.7	21.0	19.0	8.5	21.4	10.0	9.3	5.6	44.1	31.4	11.6
Loans	6.6	7.4	3.7	1.8	3.3	1.5	1.2	1.1	21.0	9.8	1.6
Savings	1.7	1.7	2.0	0.6	3.3	1.5	0.7	0.4	2.8	3.0	1.8
Other earnings in graduate school	5.7	5.7	7.5	2.3	10.1	4.5	3.5	1.4	8.3	10.9	5.4
Other family earnings or savings	5.7	6.2	5.9	3.9	4.8	2.6	4.0	2.7	11.9	7.6	2.8
Teaching assistantship	14.7	16.2	7.5	9.7	8.0	13.2	51.1	19.1	14.6	22.8	6.0
Research assistantship, traineeship, and internship	28.0	25.8	41.0	28.8	36.0	38.3	11.0	48.1	16.7	10.7	41.5
Research assistantship	25.2	22.6	40.1	23.1	34.9	37.1	10.0	46.8	12.8	9.6	40.6
Traineeship	2.2	2.5	0.4	5.3	0.6	0.8	0.7	1.1	2.1	0.8	0.6
Internship or residency	0.3	0.3	0.1	0.2	0.3	0.2	0.1	0.1	0.8	0.1	0.2
Other assistantship	0.3	0.3	0.4	0.1	0.2	0.1	0.2	0.1	1.1	0.2	0.1
Fellowship/scholarship and dissertation grant	29.0	29.4	20.7	46.7	19.3	30.8	21.9	21.2	15.6	27.3	26.8
Fellowship/scholarship	22.6	22.6	15.9	32.1	16.0	24.9	19.9	16.8	13.0	25.0	22.6
Grant/stipend	6.4	6.7	4.8	14.7	3.3	5.9	2.1	4.3	2.6	2.3	4.2
Employer reimbursement or assistance	3.3	2.3	6.4	1.7	8.5	3.7	3.0	1.7	1.3	2.7	8.9
Foreign	0.2	0.1	0.2	0.1	0.2	0.2	0.1	0.1	0.1	0.3	0.3
Other	0.1	0.1	0.1	0.1	0.1	0.3	0.1	0.0	0.2	0.1	0.1
Not reported	5.0	5.0	5.0	4.3	6.4	3.5	3.5	4.3	7.4	4.6	4.8
Female (number)	34,395	32,081	1,026	9,983	501	793	747	2,678	9,728	6,625	2,314
All sources	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Personal/family funds	23.9	24.9	18.7	9.1	25.1	8.4	9.8	5.0	45.2	31.5	10.3
Loans	8.9	9.4	4.7	1.7	4.4	1.3	1.1	1.1	21.4	9.9	1.6
Savings	1.6	1.7	1.6	0.5	3.0	0.9	0.8	0.2	2.7	2.5	1.2
Other earnings in graduate school	5.6	5.7	6.2	2.4	10.4	4.4	2.1	0.9	7.6	10.1	3.9
Other family earnings or savings	7.8	8.1	6.2	4.6	7.4	1.9	5.8	2.8	13.5	9.0	3.5
Teaching assistantship	14.4	15.0	8.6	9.0	8.0	12.5	51.1	19.3	13.9	21.8	4.9
Research assistantship, traineeship, and internship	23.9	23.1	38.8	28.6	29.5	34.8	11.5	45.9	17.0	11.3	35.8
Research assistantship	20.5	19.5	37.8	22.7	28.5	33.3	10.0	44.3	12.9	10.0	34.7
Traineeship	2.7	2.8	0.5	5.6	0.2	1.1	1.1	1.5	2.2	0.9	0.9
Internship or residency	0.3	0.4	0.2	0.2	0.6	0.1	0.3	0.1	0.8	0.1	0.1
Other assistantship	0.4	0.4	0.3	0.1	0.2	0.3	0.1	0.0	1.1	0.3	0.1
Fellowship/scholarship and dissertation grant	30.4	29.8	24.4	47.2	21.4	40.2	21.2	24.3	15.4	28.2	38.3
Fellowship/scholarship	23.7	23.0	19.0	31.9	20.2	33.9	19.1	19.7	12.9	25.9	33.6

Women, Minorities, and Persons with Disabilities in Science and Engineering

TABLE F-16. Primary source of support for U.S.-citizen and permanent-resident S&E doctorate recipients, by sex and doctorate field: 2001–2005  
(Percent distribution)

Sex and primary source of support	All S&E	Science	Agricultural sciences	Biological sciences	Computer sciences	Earth, atmospheric, and ocean sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Engineering
Grant/stipend	6.6	6.8	5.4	15.4	1.2	6.3	2.0	4.6	2.5	2.3	4.7
Employer reimbursement or assistance	2.0	1.8	5.7	1.6	6.8	1.1	2.4	1.0	1.1	2.2	5.9
Foreign	0.2	0.2	0.2	0.1	0.4	0.1	0.3	0.0	0.1	0.3	0.3
Other	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.2	0.1	0.0
Not reported	5.1	5.1	3.6	4.1	8.8	2.6	3.6	4.3	7.2	4.5	4.5
Male (number)	44,933	35,982	1,656	11,028	1,709	1,382	1,791	6,989	4,576	6,851	8,951
All sources	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Personal/family funds	16.5	17.6	19.3	8.0	20.4	10.9	9.2	5.8	41.7	31.3	12.0
Loans	4.8	5.6	3.0	1.9	2.9	1.6	1.2	1.0	20.2	9.8	1.6
Savings	1.8	1.7	2.3	0.6	3.4	1.8	0.7	0.5	3.0	3.5	2.0
Other earnings in graduate school	5.7	5.7	8.2	2.2	10.1	4.6	4.0	1.6	9.9	11.7	5.7
Other family earnings or savings	4.2	4.5	5.7	3.3	4.0	3.0	3.2	2.7	8.5	6.3	2.7
Teaching assistantship	15.0	17.2	6.8	10.3	8.0	13.6	51.0	19.0	16.3	23.7	6.3
Research assistantship, traineeship, and internship	31.1	28.2	42.3	29.0	37.9	40.2	10.7	48.9	16.1	10.1	43.0
Research assistantship	28.8	25.5	41.4	23.5	36.7	39.4	9.9	47.7	12.5	9.2	42.1
Traineeship	1.9	2.2	0.4	5.1	0.7	0.6	0.6	0.9	1.9	0.6	0.6
Internship or residency	0.2	0.3	0.1	0.3	0.2	0.2	0.0	0.2	0.7	0.1	0.2
Other assistantship	0.2	0.3	0.4	0.1	0.2	0.1	0.2	0.1	1.0	0.2	0.1
Fellowship/scholarship and dissertation grant	27.9	29.0	18.5	46.3	18.7	25.4	22.3	20.0	16.0	26.5	23.8
Fellowship/scholarship	21.8	22.3	13.9	32.2	14.7	19.7	20.2	15.7	13.3	24.2	19.8
Grant/stipend	6.1	6.6	4.5	14.1	4.0	5.7	2.1	4.3	2.7	2.4	4.0
Employer reimbursement or assistance	4.2	2.9	6.9	1.8	9.0	5.1	3.2	1.9	1.8	3.2	9.6
Foreign	0.2	0.1	0.2	0.1	0.2	0.3	0.1	0.1	0.1	0.2	0.3
Other	0.1	0.1	0.1	0.1	0.2	0.4	0.1	0.0	0.2	0.1	0.1
Not reported	5.0	5.0	5.9	4.4	5.7	4.1	3.5	4.3	7.8	4.8	4.9

<sup>a</sup> All recipients include those with unknown gender. The data for all recipients, therefore, will not equal the sum of female and male.

SOURCE: National Science Foundation, Division of Science Resources Statistics, Survey of Earned Doctorates, 2001–2005.

TABLE F-17. Primary source of support for U.S.-citizen and permanent-resident S&E doctorate recipients, by race/ethnicity and doctorate field: 2001–2005

(Percent distribution)

Race/ethnicity and primary source of support	All S&E	Science	Agricultural sciences	Biological sciences	Computer sciences	Earth, atmospheric, and ocean sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Engineering
All recipients (number)	79,331	68,065	2,683	21,012	2,210	2,175	2,538	9,667	14,304	13,476	11,266
All sources	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Personal/family funds	19.7	21.0	19.0	8.5	21.4	10.0	9.3	5.6	44.1	31.4	11.6
Loans	6.6	7.4	3.7	1.8	3.3	1.5	1.2	1.1	21.0	9.8	1.6
Savings	1.7	1.7	2.0	0.6	3.3	1.5	0.7	0.4	2.8	3.0	1.8
Other earnings in graduate school	5.7	5.7	7.5	2.3	10.1	4.5	3.5	1.4	8.3	10.9	5.4
Other family earnings or savings	5.7	6.2	5.9	3.9	4.8	2.6	4.0	2.7	11.9	7.6	2.8
Teaching assistantship	14.7	16.2	7.5	9.7	8.0	13.2	51.1	19.1	14.6	22.8	6.0
Research assistantship, traineeship, and internship	28.0	25.8	41.0	28.8	36.0	38.3	11.0	48.1	16.7	10.7	41.5
Research assistantship	25.2	22.6	40.1	23.1	34.9	37.1	10.0	46.8	12.8	9.6	40.6
Traineeship	2.2	2.5	0.4	5.3	0.6	0.8	0.7	1.1	2.1	0.8	0.6
Internship or residency	0.3	0.3	0.1	0.2	0.3	0.2	0.1	0.1	0.8	0.1	0.2
Other assistantship	0.3	0.3	0.4	0.1	0.2	0.1	0.2	0.1	1.1	0.2	0.1
Fellowship/scholarship or Grant/stipend	29.0	29.4	20.7	46.7	19.3	30.8	21.9	21.2	15.6	27.3	26.8
Fellowship/scholarship	22.6	22.6	15.9	32.1	16.0	24.9	19.9	16.8	13.0	25.0	22.6
Grant/stipend	6.4	6.7	4.8	14.7	3.3	5.9	2.1	4.3	2.6	2.3	4.2
Employer reimbursement or assistance	3.3	2.3	6.4	1.7	8.5	3.7	3.0	1.7	1.3	2.7	8.9
Foreign	0.2	0.1	0.2	0.1	0.2	0.2	0.1	0.1	0.1	0.3	0.3
Other	0.1	0.1	0.1	0.1	0.1	0.3	0.1	0.0	0.2	0.1	0.1
Not reported	5.0	5.0	5.0	4.3	6.4	3.5	3.5	4.3	7.4	4.6	4.8
White (number)	60,963	53,021	2,268	15,961	1,568	1,870	2,017	7,675	11,321	10,341	7,942
All sources	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Personal/family funds	20.7	21.9	19.8	9.2	22.1	10.2	9.7	5.9	45.9	32.2	12.3
Loans	6.6	7.4	3.5	1.9	3.3	1.3	1.0	1.0	20.8	9.6	1.6
Savings	1.7	1.8	1.9	0.6	3.2	1.7	0.7	0.4	3.1	3.1	1.6
Other earnings in graduate school	6.0	6.0	8.1	2.4	10.9	4.6	3.7	1.4	8.9	11.3	6.1
Other family earnings or savings	6.3	6.8	6.3	4.3	4.7	2.6	4.3	3.1	13.1	8.1	3.0
Teaching assistantship	15.7	17.2	7.7	10.7	7.9	13.7	52.4	19.4	15.9	24.3	5.9
Research assistantship, traineeship, and internship	28.5	26.6	41.2	29.5	36.1	38.8	11.2	49.1	17.5	11.4	41.0
Research assistantship	25.6	23.4	40.3	23.9	34.9	37.6	10.1	47.8	13.5	10.2	40.1
Traineeship	2.2	2.5	0.4	5.3	0.6	0.9	0.8	1.1	2.2	0.8	0.7
Internship or residency	0.3	0.3	0.0	0.3	0.3	0.2	0.1	0.2	0.8	0.1	0.2
Other assistantship	0.3	0.4	0.4	0.1	0.3	0.2	0.1	0.1	1.0	0.2	0.1
Fellowship/scholarship or Grant/stipend	27.3	27.4	19.7	44.9	18.8	30.3	21.1	20.2	12.9	25.1	26.8
Fellowship/scholarship	20.9	20.7	14.6	30.2	15.2	24.0	19.2	15.8	10.4	22.7	22.4
Grant/stipend	6.4	6.7	5.1	14.7	3.6	6.3	1.9	4.5	2.5	2.4	4.4
Employer reimbursement or assistance	3.4	2.5	6.6	1.9	9.2	3.8	2.7	1.6	1.3	3.0	9.5
Foreign	0.1	0.1	0.2	0.1	0.1	0.2	0.1	0.1	0.0	0.1	0.2
Other	0.1	0.1	0.1	0.1	0.1	0.3	0.0	0.0	0.2	0.1	0.1
Not reported	4.3	4.3	4.7	3.7	5.7	2.8	2.8	3.6	6.3	3.8	4.2

Women, Minorities, and Persons with Disabilities in Science and Engineering

TABLE F-17. Primary source of support for U.S.-citizen and permanent-resident S&E doctorate recipients, by race/ethnicity and doctorate field: 2001–2005

(Percent distribution)

Race/ethnicity and primary source of support	All S&E	Science	Agricultural sciences	Biological sciences	Computer sciences	Earth, atmospheric, and ocean sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Engineering
Asian (number)	7,903	5,962	133	2,664	393	102	249	937	636	848	1,941
All sources	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Personal/family funds	10.7	11.3	9.8	5.2	15.8	8.8	8.8	2.9	35.4	21.0	8.8
Loans	2.5	3.0	0.0	0.9	1.0	0.0	0.4	0.3	17.3	4.6	1.0
Savings	1.5	1.3	3.8	0.6	3.3	0.0	1.2	0.5	1.7	2.9	2.2
Other earnings in graduate school	2.9	2.9	2.3	1.3	6.1	5.9	3.2	1.2	5.2	6.4	3.0
Other family earnings or savings	3.7	4.1	3.8	2.4	5.3	2.9	4.0	0.9	11.2	7.1	2.5
Teaching assistantship	12.1	13.9	6.0	6.3	10.2	10.8	49.8	18.7	15.3	24.2	6.6
Research assistantship, traineeship, and internship	37.9	32.8	60.2	32.6	46.3	51.0	14.5	53.4	18.4	13.8	53.7
Research assistantship	34.7	28.8	57.9	26.1	45.3	51.0	13.7	52.4	13.5	12.5	52.9
Traineeship	2.6	3.3	0.0	6.2	0.5	0.0	0.4	0.7	2.5	0.9	0.5
Internship or residency	0.3	0.3	2.3	0.2	0.3	0.0	0.0	0.2	0.9	0.1	0.3
Other assistantship	0.2	0.3	0.0	0.2	0.3	0.0	0.4	0.0	1.4	0.2	0.1
Fellowship/scholarship or Grant/stipend	30.8	34.6	16.5	49.8	16.5	22.5	18.1	18.0	20.8	33.1	19.2
Fellowship/scholarship	23.5	26.1	12.8	34.9	13.0	18.6	14.1	14.4	17.3	30.7	15.6
Grant/stipend	7.3	8.5	3.8	14.9	3.6	3.9	4.0	3.6	3.5	2.5	3.6
Employer reimbursement or assistance	3.0	1.9	2.3	1.4	6.6	2.0	3.6	1.8	0.8	1.5	6.5
Foreign	0.3	0.3	0.8	0.0	0.3	0.0	0.0	0.2	0.3	1.5	0.4
Other	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Not reported	5.1	5.2	4.5	4.5	4.3	4.9	5.2	5.0	9.1	4.8	4.8
Black (number)	3,508	3,060	85	678	81	36	81	292	881	926	448
All sources	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Personal/family funds	23.2	24.9	15.3	8.4	37.0	8.3	8.6	6.8	35.6	34.4	11.2
Loans	13.1	14.5	8.2	4.3	17.3	5.6	6.2	3.8	24.9	16.8	4.0
Savings	1.8	1.6	1.2	0.3	6.2	0.0	0.0	0.3	1.7	2.7	2.9
Other earnings in graduate school	5.7	6.1	4.7	1.8	9.9	2.8	1.2	1.7	6.0	11.2	2.9
Other family earnings or savings	2.5	2.7	1.2	2.1	3.7	0.0	1.2	1.0	3.1	3.7	1.3
Teaching assistantship	9.1	9.5	3.5	5.6	2.5	8.3	35.8	16.8	6.4	12.1	6.3
Research assistantship, traineeship, and internship	13.8	12.6	27.1	16.8	3.7	25.0	2.5	23.6	11.7	6.8	22.1
Research assistantship	11.4	10.0	25.9	11.4	2.5	25.0	2.5	23.3	8.2	5.8	20.8
Traineeship	1.8	1.9	1.2	5.2	1.2	0.0	0.0	0.3	1.6	0.8	1.1
Internship or residency	0.2	0.2	0.0	0.1	0.0	0.0	0.0	0.0	0.3	0.2	0.2
Other assistantship	0.4	0.5	0.0	0.1	0.0	0.0	0.0	0.0	1.6	0.0	0.0
Fellowship/scholarship or Grant/stipend	42.8	42.4	44.7	61.2	33.3	41.7	43.2	44.2	33.5	37.0	46.0
Fellowship/scholarship	38.0	37.3	41.2	46.6	32.1	38.9	42.0	39.0	31.0	35.5	43.1
Grant/stipend	4.8	5.1	3.5	14.6	1.2	2.8	1.2	5.1	2.5	1.5	2.9
Employer reimbursement or assistance	3.2	2.5	5.9	1.5	8.6	5.6	3.7	1.7	1.7	3.1	8.0
Foreign	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.2	0.0
Other	0.2	0.2	0.0	0.0	1.2	2.8	1.2	0.3	0.1	0.1	0.0
Not reported	7.6	7.7	3.5	6.3	13.6	8.3	4.9	6.5	10.9	6.2	6.5

Women, Minorities, and Persons with Disabilities in Science and Engineering

TABLE F-17. Primary source of support for U.S.-citizen and permanent-resident S&E doctorate recipients, by race/ethnicity and doctorate field: 2001–2005  
(Percent distribution)

Race/ethnicity and primary source of support	All S&E	Science	Agricultural sciences	Biological sciences	Computer sciences	Earth, atmospheric, and ocean sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Engineering
Hispanic (number)	3,653	3,183	106	942	58	67	94	336	883	697	470
All sources	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Personal/family funds	20.6	22.1	21.7	7.4	20.7	3.0	2.1	5.7	43.1	27.8	10.4
Loans	9.8	11.0	9.4	1.9	3.4	1.5	1.1	2.1	25.6	12.1	1.7
Savings	1.3	1.3	1.9	0.4	5.2	0.0	0.0	0.3	2.0	1.9	1.1
Other earnings in graduate school	5.1	5.1	5.7	2.3	10.3	1.5	1.1	0.9	7.4	8.5	4.7
Other family earnings or savings	4.5	4.7	4.7	2.8	1.7	0.0	0.0	2.4	8.2	5.5	3.0
Teaching assistantship	10.9	11.9	7.5	6.3	3.4	10.4	42.6	19.3	8.2	18.1	4.5
Research assistantship, traineeship, and internship	18.1	16.2	31.1	19.2	29.3	26.9	7.4	33.9	11.7	6.2	31.1
Research assistantship	16.0	13.9	30.2	15.2	29.3	26.9	6.4	32.1	9.5	5.0	30.2
Traineeship	0.3	0.3	0.0	0.0	0.0	0.0	1.1	1.8	0.7	0.6	0.2
Internship or residency	1.6	1.8	0.9	3.9	0.0	0.0	0.0	0.0	1.0	0.6	0.6
Other assistantship	0.1	0.2	0.0	0.1	0.0	0.0	0.0	0.0	0.5	0.0	0.0
Fellowship/scholarship or Grant/stipend	40.9	41.2	24.5	60.2	29.3	46.3	38.3	33.6	26.5	41.0	38.9
Fellowship/scholarship	34.6	34.6	21.7	44.8	29.3	41.8	35.1	30.1	23.2	39.2	34.3
Grant/stipend	6.3	6.5	2.8	15.4	0.0	4.5	3.2	3.6	3.3	1.9	4.7
Employer reimbursement or assistance	2.8	1.9	8.5	1.2	6.9	4.5	6.4	2.4	1.2	1.0	8.9
Foreign	0.8	0.6	0.0	0.4	5.2	1.5	1.1	0.0	0.5	1.0	1.7
Other	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.2	0.1	0.0
Not reported	5.8	6.0	6.6	5.2	5.2	7.5	2.1	5.1	8.6	4.7	4.5
American Indian/Alaska Native (number)	342	303	13	64	8	10	7	30	81	90	39
All sources	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Personal/family funds	28.9	29.0	15.4	6.3	25.0	20.0	0.0	20.0	43.2	41.1	28.2
Loans	8.5	9.2	7.7	1.6	0.0	0.0	0.0	3.3	18.5	11.1	2.6
Savings	4.7	4.0	0.0	0.0	0.0	0.0	0.0	3.3	4.9	7.8	10.3
Other earnings in graduate school	8.5	8.6	0.0	3.1	25.0	10.0	0.0	3.3	9.9	13.3	7.7
Other family earnings or savings	7.3	7.3	7.7	1.6	0.0	10.0	0.0	10.0	9.9	8.9	7.7
Teaching assistantship	9.9	10.9	0.0	9.4	0.0	10.0	57.1	10.0	9.9	12.2	2.6
Research assistantship, traineeship, and internship	15.5	15.2	23.1	20.3	0.0	20.0	14.3	43.3	11.1	5.6	17.9
Research assistantship	14.0	13.9	23.1	17.2	0.0	20.0	14.3	43.3	9.9	4.4	15.4
Traineeship	0.6	0.7	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Internship or residency	0.6	0.3	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	2.6
Other assistantship	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0
Fellowship/scholarship or Grant/stipend	34.2	35.0	46.2	57.8	25.0	40.0	0.0	13.3	27.2	34.4	28.2
Fellowship/scholarship	31.6	32.0	38.5	50.0	25.0	40.0	0.0	13.3	25.9	32.2	28.2
Grant/stipend	2.6	3.0	7.7	7.8	0.0	0.0	0.0	0.0	1.2	2.2	0.0
Employer reimbursement or assistance	3.8	2.6	15.4	1.6	37.5	0.0	14.3	3.3	0.0	0.0	12.8
Foreign	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0
Not reported	7.3	6.9	0.0	4.7	12.5	10.0	14.3	10.0	7.4	6.7	10.3

Women, Minorities, and Persons with Disabilities in Science and Engineering

TABLE F-17. Primary source of support for U.S.-citizen and permanent-resident S&E doctorate recipients, by race/ethnicity and doctorate field: 2001–2005  
(Percent distribution)

Race/ethnicity and primary source of support	All S&E	Science	Agricultural sciences	Biological sciences	Computer sciences	Earth, atmospheric, and ocean sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Engineering
Other or not reported race/ethnicity <sup>a</sup> (number)	2,962	2,536	78	703	102	90	90	397	502	574	426
All sources	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Personal/family funds	17.4	18.3	14.1	7.8	20.6	13.3	11.1	4.5	31.5	31.0	12.2
Loans	4.9	5.4	1.3	1.3	0.0	4.4	2.2	0.5	15.1	7.7	1.9
Savings	1.7	1.6	3.8	0.4	2.0	1.1	1.1	0.0	2.2	3.5	2.1
Other earnings in graduate school	5.8	5.9	3.8	3.1	12.7	3.3	4.4	2.5	5.2	11.8	5.4
Other family earnings or savings	5.0	5.3	5.1	3.0	5.9	4.4	3.3	1.5	9.0	8.0	2.8
Teaching assistantship	12.9	14.1	9.0	8.3	7.8	10.0	47.8	15.1	13.1	18.5	5.9
Research assistantship, traineeship, and internship	23.0	21.9	34.6	24.3	26.5	28.9	6.7	45.1	15.5	7.3	29.1
Research assistantship	20.5	19.1	34.6	18.2	25.5	26.7	6.7	44.6	11.4	7.0	28.6
Traineeship	2.1	2.3	0.0	5.8	1.0	1.1	0.0	0.5	2.6	0.2	0.5
Internship or residency	0.2	0.3	0.0	0.3	0.0	1.1	0.0	0.0	0.6	0.2	0.0
Other assistantship	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0
Fellowship/scholarship or Grant/stipend	27.9	27.8	23.1	44.7	21.6	33.3	17.8	19.1	16.7	25.4	28.2
Fellowship/scholarship	22.5	22.2	19.2	31.4	18.6	30.0	16.7	14.9	15.1	22.6	24.6
Grant/stipend	5.4	5.7	3.8	13.2	2.9	3.3	1.1	4.3	1.6	2.8	3.5
Employer reimbursement or assistance	2.4	1.4	3.8	0.7	2.9	2.2	2.2	1.0	1.4	1.6	8.2
Foreign	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.2
Other	0.1	0.2	0.0	0.1	0.0	0.0	0.0	0.3	0.4	0.0	0.0
Not reported	16.3	16.3	15.4	14.1	20.6	12.2	14.4	14.9	21.3	15.9	16.2

<sup>a</sup>This category includes Native Hawaiian/other Pacific Islander and respondents choosing multiple races (excluding those selecting Hispanic ethnicity).  
SOURCE: National Science Foundation, Division of Science Resources Statistics, Survey of Earned Doctorates, 2001–2005.

TABLE F-18. Primary source of support for U.S.-citizen and permanent-resident S&E doctorate recipients, by disability status: 2001–2005

(Percent distribution)

Primary source of support	All recipients	No disability	With disability
All recipients (number)	79,331	77,931	1,400
All sources	100.0	100.0	100.0
Personal/family funds	19.7	19.5	33.0
Loans	6.6	6.5	13.1
Savings	1.7	1.7	3.9
Other earnings in graduate school	5.7	5.6	8.6
Other family earnings or savings	5.7	5.7	7.4
Teaching assistantship	14.7	14.7	14.6
Research assistantship, traineeship, and internship	28.0	28.2	18.9
Research assistantship	25.2	25.4	15.6
Traineeship	2.2	2.2	1.8
Internship or residency	0.3	0.3	0.9
Other assistantship	0.3	0.3	0.6
Fellowship/scholarship and dissertation grant	29.0	29.0	26.5
Fellowship/scholarship	22.6	22.7	21.6
Grant/stipend	6.4	6.4	4.9
Employer reimbursement or assistance	3.3	3.3	4.2
Foreign	0.2	0.2	0.1
Other	0.1	0.1	0.8
Not reported	5.0	5.1	1.8

NOTE: Respondents are asked if they have a disability and then are asked to mark one or more types of disability (blind/visually impaired, deaf/hard of hearing, physical/orthopedic disability, learning/cognitive disability, vocal/speech disability, or other disability).

SOURCE: National Science Foundation, Division of Science Resources Statistics, Survey of Earned Doctorates, 2001–2005.



TABLE F-19. Location and type of postgraduate activity for U.S.-citizen and permanent-resident S&E doctorate recipients with definite postgraduate plans, by sex: 2005

(Percent distribution)

Location and type of postgraduate activity	Both sexes	Female	Male
All recipients (number)	11,161	4,803	6,356
All locations and types	100.0	100.0	100.0
United States	96.3	97.0	95.8
Academic employment	22.8	25.0	21.2
Industry employment	14.0	9.2	17.7
Postdoctoral study	45.7	48.4	43.6
Other <sup>a</sup>	13.7	14.4	13.2
Abroad	3.7	3.0	4.2
Location unknown	0.0	0.0	0.0

<sup>a</sup> Includes elementary/secondary schools, government, nonprofit, and other or unknown.

NOTES: Definite postgraduate plans are defined as *Am returning to, or continuing in, predoctoral employment* or *Have signed contract or made definite commitment for other work or study* by doctoral degree recipients who responded to the question, *How definite are your immediate (within the next year) postgraduate plans?* Total includes unknown sex not shown separately.

SOURCE: National Science Foundation, Division of Science Resources Statistics, Survey of Earned Doctorates, 2005.

TABLE F-20. S&E doctoral degrees awarded by leading institutions, by sex: 2001–2005

Academic institution	Doctoral degrees	Academic institution	Doctoral degrees
Female		Male	
All institutions	48,355	All institutions	81,112
Top 50 institutions	24,152	Top 50 institutions	45,773
University of California-Berkeley	970	University of California-Berkeley	1,838
University of Michigan at Ann Arbor	739	Massachusetts Institute of Technology	1,689
University of Wisconsin-Madison	714	Stanford University	1,642
University of California-Los Angeles	700	University of Illinois at Urbana-Champaign	1,594
University of Minnesota-Twin Cities	700	University of Michigan at Ann Arbor	1,492
University of Texas at Austin	660	University of Wisconsin-Madison	1,441
Stanford University	658	University of Texas at Austin	1,370
University of California-Davis	640	University of California-Los Angeles	1,342
University of Washington-Seattle	624	Texas A&M University main campus	1,340
Ohio State University main campus	620	Pennsylvania State University main campus	1,322
Harvard University	618	Purdue University main campus	1,273
Cornell University all campuses	611	Ohio State University main campus	1,230
University of Illinois at Urbana-Champaign	611	University of Florida	1,169
Massachusetts Institute of Technology	588	University of Minnesota-Twin Cities	1,148
University of Florida	588	Cornell University all campuses	1,099
Pennsylvania State University main campus	586	University of Washington-Seattle	1,086
Michigan State University	569	University of Maryland at College Park	1,057
University of North Carolina at Chapel Hill	542	Georgia Institute of Technology main campus	1,056
University of Maryland at College Park	528	Harvard University	980
Texas A&M University main campus	492	North Carolina State University at Raleigh	899
Purdue University main campus	491	University of California-Davis	880
University of Arizona	474	University of Southern California	851
University of Pennsylvania	472	Michigan State University	829
Rutgers the State University of New Jersey New Brunswick	469	University of Arizona	799
Johns Hopkins University	462	Virginia Polytechnic Institute and State University	784
Yale University	455	University of California-San Diego	776
University of Georgia	441	Columbia University in the City of New York	766
Columbia University in the City of New York	438	University of Chicago	736
North Carolina State University at Raleigh	437	University of Pennsylvania	709
University of Southern California	436	Johns Hopkins University	706
University of California-San Diego	415	Northwestern University	705
Northwestern University	399	Iowa State University	685
CUNY Graduate School and University Center	391	University of Colorado at Boulder	678
University of Colorado at Boulder	388	Princeton University	663
New York University	381	Rutgers the State University of New Jersey New Brunswick	646
University of Pittsburgh main campus	371	Carnegie Mellon University	626
University of Chicago	349	University of North Carolina at Chapel Hill	613
Duke University	347	Yale University	606
University of Connecticut	340	California Institute of Technology	596
Boston University	335	University of California-Santa Barbara	593
University of Virginia main campus	332	University of Georgia	570
Indiana University at Bloomington	324	SUNY at Stony Brook all campuses	566
Georgia Institute of Technology main campus	318	University of Pittsburgh main campus	564
SUNY at Stony Brook all campuses	317	SUNY at Buffalo	556
University of Massachusetts at Amherst	314	Arizona State University main campus	552
Arizona State University main campus	313	Duke University	552
University of California-Santa Barbara	308	University of Virginia main campus	542
University of Kansas main campus	297	Boston University	531
Virginia Polytechnic Institute and State University	293	University of Utah	524
Wayne State University	287	Indiana University at Bloomington	502
Other institutions	24,203	Other institutions	35,339

NOTE: Institutions with the same number of doctorate recipients are listed alphabetically.

SOURCE: National Science Foundation, Division of Science Resources Statistics, Survey of Earned Doctorates, 2001–2005.

TABLE F-21. S&E doctoral degrees awarded by leading institutions, by race/ethnicity of minority graduates: 2001--2005

Academic institution	Doctoral degrees	Academic institution	Doctoral degrees
<b>Asian/Pacific Islander</b>		<b>Black</b>	
All institutions	34,917	All institutions	4,467
University of Illinois at Urbana-Champaign	819	Howard University	233
University of California-Los Angeles	740	University of Maryland at College Park	97
Purdue University main campus	734	University of Michigan at Ann Arbor	97
Texas A&M University main campus	727	University of Florida	73
University of California-Berkeley	720	Pennsylvania State University main campus	70
Stanford University	714	Michigan State University	65
University of Michigan at Ann Arbor	683	Georgia Institute of Technology main campus	61
Ohio State University main campus	671	North Carolina State University at Raleigh	61
University of Texas at Austin	666	Ohio State University main campus	60
Pennsylvania State University main campus	608	University of North Carolina at Chapel Hill	59
University of Wisconsin-Madison	603	CUNY Graduate School and University Center	58
University of Southern California	599	Louisiana State University & Agricultural & Mechanical College	57
Massachusetts Institute of Technology	550	Purdue University main campus	55
Georgia Institute of Technology main campus	540	Meharry Medical College	54
Cornell University all campuses	495	Harvard University	53
University of Maryland at College Park	492	Temple University	50
University of Minnesota-Twin Cities	464	Stanford University	48
University of Florida	460	University of California-Berkeley	47
Columbia University in the City of New York	448	University of Georgia	47
North Carolina State University at Raleigh	418	University of Pennsylvania	46
Other institutions	22,766	Other institutions	3,076
<b>Hispanic</b>		<b>American Indian/Alaska Native</b>	
All institutions	6,506	All institutions	360
Texas A&M University main campus	159	Oklahoma State University all campuses	14
University of Florida	156	University of California-Berkeley	10
University of California-Berkeley	150	University of New Mexico all campuses	8
University of Texas at Austin	131	University of Oklahoma, Norman campus	8
University of California-Los Angeles	130	University of Florida	6
University of Wisconsin-Madison	122	University of Kansas main campus	6
Cornell University all campuses	121	University of Michigan at Ann Arbor	6
Stanford University	116	University of North Dakota all campuses	6
University of Puerto Rico Rio Piedras campus	116	University of Southern California	6
University of Illinois at Urbana-Champaign	114	California School of Professional Psychology at San Diego	5
University of Arizona	111	Colorado State University	5
University of California-Davis	102	Stanford University	5
University of Michigan at Ann Arbor	96	Texas A&M University main campus	5
Harvard University	86	University of Arizona	5
Massachusetts Institute of Technology	83	University of California-Davis	5
Purdue University main campus	83	University of California-Los Angeles	5
University of California-San Diego	83	University of Illinois at Urbana-Champaign	5
University of Maryland at College Park	82	University of Missouri, Columbia	5
Pennsylvania State University main campus	77	University of Washington-Seattle	5
Ohio State University main campus	76	University of Wisconsin-Madison	5
Other institutions	4,312	Washington University	5
		Other institutions	230

NOTE: Institutions with the same number of doctorate recipients are listed alphabetically.

SOURCE: National Science Foundation, Division of Science Resources Statistics, Survey of Earned Doctorates, 2001–2005.

TABLE F-22. S&E doctoral degrees awarded by leading institutions to persons with disabilities: 2001–2005

Academic institution	All disabilities	Blind/visually impaired	Deaf/hard of hearing	Learning disabilities	Physical/orthopedic disability	Vocal/speech disability	Other/more than one	Unspecified
All institutions	1,574	139	211	423	489	52	235	25
Top 49 institutions	814	72	115	226	243	27	120	11
University of California-Berkeley	48	7	3	10	19	0	8	1
University of Wisconsin-Madison	30	2	5	9	11	0	3	0
University of Texas-Austin	25	0	2	5	11	1	6	0
Pennsylvania State University main campus	24	3	3	7	6	0	5	0
University of Illinois at Urbana-Champaign	24	4	7	4	4	2	2	1
Harvard University	23	5	1	6	5	0	6	0
Texas A&M University College Station	23	2	8	5	6	0	1	1
University of California-Davis	23	1	2	12	5	0	3	0
University of Florida	23	2	5	4	9	0	3	0
University of New Mexico main campus	22	2	0	9	7	1	3	0
Stanford University	21	0	3	5	9	0	4	0
University of California-Los Angeles	20	1	2	8	7	1	1	0
University of Michigan-Ann Arbor	20	1	4	5	6	1	3	0
Virginia Polytechnic Institute and State University	19	1	2	5	9	1	0	1
Cornell endowed colleges	18	4	3	3	3	2	3	0
Northwestern University	18	3	2	6	3	1	2	1
University of Pennsylvania	18	0	4	6	5	2	1	0
University of Southern California	18	0	1	8	7	0	2	0
Ohio State University	17	1	1	6	4	2	2	1
University of Georgia	17	1	0	7	4	1	4	0
University of Washington-Seattle	17	1	3	7	3	1	2	0
SUNY Buffalo	16	1	2	4	9	0	0	0
University of Maryland-College Park	16	1	4	4	3	0	2	2
Arizona State University	15	1	7	2	3	1	1	0
Michigan State University	15	2	4	3	4	0	2	0
University of California-Santa Barbara	15	3	2	5	5	0	0	0
George Mason University	14	0	0	2	5	0	7	0
University of Arizona	14	1	0	4	7	0	2	0
University of Minnesota-Twin Cities	14	3	2	1	3	1	4	0
Yale University	14	3	2	4	1	0	3	1
Massachusetts Institute of Technology	13	1	2	4	3	2	1	0
University of Colorado-Boulder	13	2	4	2	3	1	1	0
University of Connecticut	13	2	1	7	1	1	1	0
University of Kentucky	13	0	3	6	2	0	2	0
California School of Professional Psychology-Alameda	12	0	3	5	2	0	2	0
North Carolina State University-Raleigh	12	2	4	2	3	0	1	0
Rutgers the State University of New Jersey New Brunswick	12	3	1	2	5	0	1	0
Duke University	11	0	2	3	1	1	3	1
University of California-San Diego	11	1	3	3	2	0	2	0
University of Chicago	11	0	0	4	2	1	3	1
University of Oklahoma-Norman	11	0	0	2	5	0	4	0
Walden University	11	0	2	2	4	0	3	0
CUNY Graduate School and University Center	10	0	0	3	6	0	1	0
Iowa State University	10	1	1	2	6	0	0	0
Southern Illinois University-Carbondale	10	1	2	3	2	0	2	0
SUNY Stony Brook	10	0	1	3	3	0	3	0
Texas Tech University	10	1	1	2	5	1	0	0
University of Kansas	10	0	1	5	2	1	1	0
Wayne State University	10	2	0	0	3	1	4	0
Other institutions	760	67	96	197	246	25	115	14

NOTE: Institutions with the same number of doctorate recipients are listed alphabetically.

SOURCE: National Science Foundation, Division of Science Resources Statistics, Survey of Earned Doctorates, 2001–2005.